

MU CHUN
木春电机

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广东木春电机工业有限公司 0864-33801

MU CHUN
木春电机

超高效率 动力强劲 性能稳定
PREMIUM EFFICIENCY STRONG POWER STABLE PERFORMANCE

MU CHUN MOTOR



直流无刷减速电机
DC BRUSHLESS GEAR MOTOR

微型交流减速电动机
MICRO AC GEAR MOTOR

中型交流减速电动机
MEDIUM AC GEAR MOTOR

普通铝壳电机
ORDINARY ALUMINUM SHELL MOTOR

四大系列硬齿面减速机
HARD GEAR REDUCER

广东木春电机工业有限公司
GUANGDONG MUCHUN MOTOR INDUSTRY CO., LTD



公司简介 Company profile

广东木春电机工业有限公司成立于2017年，基地位于东莞市虎门镇，引进先进自动化生产设备及精密检测设备，产品覆盖工业自动化，机床，工业机器人，农业机械，太阳能等领域，目前我司开发产品有微型交直流减速电机，直角减速电机，中型齿轮减速电机，四大系列减速机，铝壳电机，变频调速器，精密行星减速机，中空旋转平台。致力于为客户提供优质卓越的产品，为客户解决问题，为客户创造价值。

我们在进行的道路上以“勇担重担、追求卓越、引领创新”的企业精神登高望远，恪守“品德至尚、品质精优、品牌卓越”的企业核心价值观，以“尊重人才、培育人才、人尽其才、共同发展”的人才理念，努力打造一支国际化、专业化的人才队伍，为企业的前行提供不竭的动力。

我们渴望合作，渴望共赢，我们不仅要经得起时间的考验，更要与合作伙伴风雨同舟，共谋发展。

Guangdong Muchun Motor Industry Co., Ltd. was founded in 2017, the base is located in Humen town, Dongguan City, the introduction of advanced automated production equipment and precision testing equipment, products covering industrial automation, machine tools, industrial robots, agricultural machinery, solar energy and other fields, our company has developed products such as micro AC and DC gear motor, right angle gear motor, medium gear motor, Four series reducer, aluminum motor, variable frequency governor, precision planetary reducer, hollow rotating platform. We are committed to providing customers with high quality and excellent products, solving problems for customers and creating value for customers.

We are on the road to "brave to bear the burden, the pursuit of excellence, leading innovation" of the spirit of enterprise, adhere to the "moral character, quality, brand excellence" of the core values of the enterprise, to "respect talent, cultivate talent, make the best of talent, common development" talent concept, and strive to create an international, professional talent team. Provide inexhaustible power for the enterprise to move forward.

We are eager for cooperation and win-win. We should not only stand the test of time, but also work together with our partners to seek common development.

立绕机
Vertical winding machine

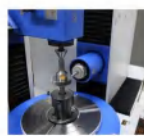


嵌线机
Inserting machine





数控滚齿机
CNC gear hobbing machine



精密齿轮检测仪
Precision gear detector

超低噪音 Ultra-low noise

采用高精度滚齿机和滚刀加工高精度斜齿轮，精度高达IT5-6级；
 采用合金钢渗碳热处理，长期运转变形小，精度高。
 Using high-precision hobbing machine and hob to process high-precision helical gear, the accuracy is as high as IT5-6.
 Alloy steel carburizing heat treatment, long-term operation deformation is small, high precision.

结构牢固 Strong structure

齿轮与轴紧配带键压配结构，连接在冲击负载，正反转运转不易损坏。
 直角减速机采用格雷森弧齿结构，传动效率高，无自锁、牢固耐用。
 The gear and shaft are tightly matched with the key pressing structure, connected to the impact load, and the positive and negative rotation is not easy to damage.
 Right-angle gear box adopts Grayson arc tooth structure, high Transmission efficiency, no self-locking, firm and durable.

高可靠性 High reliability

采用F级(155度)H级(180度)耐高温漆包线及绝缘材料，安全余量大。
 F grade (155 degrees)H grade (180 degrees) high temperature resistant enameled wire and insulation material, large safety margin.

高效能电机·高性价比之选

High performance motor · Cost-effective choice



高精度/High precision

稳定运行/Steady operation

减速机齿轮经两次热处理;

两次硬齿面精密磨齿加工;

精度达批量6级, 耐磨层达 $\pm 1\text{mm}$;

The gear of the reducer motor is heat treated twice;

Precision grinding of twice hard tooth surface;

Accuracy up to batch 6, wear layer up to $\pm 1\text{mm}$;



长寿命/long-life

进口材料/Imported material

减速机齿轮由特殊钢材经过先进的加工;

线圈采用F级(155度)H级(180度)耐高温漆包线

及绝缘材料, 安全余量大;

Reducer gear made of special steel through advanced

machining;

The coil adopts F (155 degrees)H (180 degrees) high

temperature resistant enameled wire and insulation

material, with large safety margin;



体积小/Small size

减轻重量/Reduce weight

减速机外壳采用高强度合金铝减轻整机重量,

体积设计小化;

The reducer shell adopts high-strength alloy aluminum to

reduce the weight of the whole machine and reduce the

volume design;



低噪音/Low noise

降低磨损/Reduce wear

噪音达到标准不大于60分贝;

The noise meets the standard not more than 60 dB;



效率/Efficiency

高于同行10%/10% higher than peers

使用高性能牌号硅钢材料, 温身低, 效率高;

The use of high-performance grade silicon steel material,

low temperature, high efficiency;



易安装/Easy to install

安装方便/Easy to install



产品总览/Product overview

一、微型交直流无刷减速电机/Micro AC DC brushless gear motor



二、中型交流减速电动机/Medium AC reduction motor



三、铝壳电机 & RV减速机 & 变频器/Aluminum motor & RV Reducer & Inverter



四、四大系列硬齿面减速机/Hard gear reducer



五、精密行星减速机 & 旋转平台/Precision planetary Reducer & Rotating platform



六、东元电机 & 丝杆升降机/Dongyuan Motor & Screw elevator



直流交流无刷减速电机

DC BRUSHLESS GEAR MOTOR



高刚性
HIGH RIGIDITY



高耐用
HIGH DURABILITY



高效率
HIGH EFFICIENCY



型号阅读方法

PRODUCT CODE

►电动机/Motor

M - 5 - BLD - 90 - 220 - GN(L) - 25S - M

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

①	公司名称 Company	木春电机 MUCHUN MOTOR
②	座机号 Code 电机安装法兰 Mounting flange mm 机壳尺寸 Case dimension	2 4 5 6 □60 □80 □90 □100 60*60 80*80 90*90 100*100
③	电机种类 Motor type	BLD: 无刷直流电机 BLD: DC Brushless gear motor
④	输出功率 (W) Output power (W)	(例: g) 90: 90W
⑤	电源电压 Voltage	(例: g) 24: 24VDC(可选电压24V~48VDC, 单相100V~120VAC, 单相220V~240VAC, 50/60Hz) 24: 24VDC (Optional voltage 24V~48VDC, single phase 100V~120VAC, single phase 220V~240VAC, 50/60Hz)
⑥	相对于方形减速箱 Relative to square type gear box: 齿轮形状 Motor shaft type 相对于L型减速箱 L type gearbox: 齿轮形状 Shaft shape	GN: GN型齿轮轴 GN type gear shaft GU: GU型齿轮轴 GU type gear shaft GNL: GN型L系列齿轮轴(主要为2&4系列) Type L GN series gear shaft (Mainly for 2&4 series) GUL: GU型L系列齿轮轴(主要为5&6系列) Type L GU series gear shaft (Mainly for 5&6 series)
⑦	光电轴输出形状 Shape of the output shaft: A: 圆轴型 Circular shaft type A1: 键槽型 Keyway type	
⑧	电机转速 Motor speed	(例: g) 25S: 2500RPM 低压时为30S Low voltage for 30S
⑨	电机附加配件 M: 电磁刹车器 BFE: 闭环反馈方式, 一般指电机增加编码器(包括简易霍尔编码器) Motor parts M: Electromagnetic brake BFE: Closed loop feedback mode, generally refers to the motor to increase the encoder (including the simple holzer encoder)	

►方型减速器/Square Shape Gearbox

5 GN 50 K
① ② ③ ④

①	减速机安装尺寸 Gearhead frame size	2: 60mm 4: 80mm 5: 90mm 6: 104mm
②	类型 Gear type	GN: GN型齿轮轴 GN type gear GU: GU型齿轮轴 GU type gear
③	减速比 Gear ratio	(例: g) 50: 减速比 50: Reduction ratio
④	轴承种类 Bearing type	K: 滚珠轴承(对GU型方箱体标注为KB) K: Ball bearing (On the GU type square box marked as KB)

►L型减速器/L Type Gearbox

5 GU 50 LC
① ② ③ ④

①	减速机安装尺寸 Gearhead frame size	2: 60mm 4: 80mm 5: 90mm 6: 104mm
②	类型 Gear type	GN: GN型齿轮轴(针对L系列2&4) Type GN gear shaft (For L series 2&4) GU: GU型齿轮轴(针对L系列5&6) Type GU gear shaft (For L series 5&6)
③	减速比 Gear ratio	(例: g) 50: 减速比 50: Reduction ratio
④	减速箱类型 Bearing type	LC: L型空心轴输出减速器 L type hollow shaft output reducer RC: 蜗轮蜗杆空心轴输出 Hollow shaft output of spiral bevel gear RT: 蜗轮蜗杆实心轴输出 Solid shaft output of spiral bevel gear

5系列直流无刷减速电机 (GU型)

5 Series DC brushless Gear Motor (GU type)



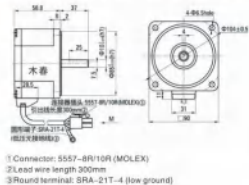
电机基本特性/Basic Characteristics Of Motor

■120W (DC电源时适用于24VDC/36VDC/48VDC)/120W(DC Power Supply When Applied To 24VDC/36VDC/48VDC)

额定功率(Rated power/continuous)		W	120/60W/80W/120W
额定转速 Rated speed	r/min	2500	
额定转矩 Rated torque	N.m	0.458	
瞬时最大转矩 Instantaneous maximum torque	N.m	0.667	
转子转动惯量 Rotor moment of inertia	J: X10 ⁻⁴ kg·m ²	0.260	
速度控制范围 Speed control range		RPM	高压 High pressure 200~2500RPM 低压 Low pressure 200~3000RPM
调速变化率 Speed change rate	对负载 On load	±1.0%以下 条件: 额定电压、额定转速、额定负载、室温 Below ±1% condition: rated voltage, rated speed, rated load, room temperature	
	对电压 On voltage	±1.0%以下 条件: 额定电压 ±10%、额定转速、额定负载、室温 Below ±1% condition: rated voltage ±10%, rated speed, rated load, room temperature	
电源输入 Power input	对温度 On temperature	±1.0%以下 条件: 环境温度 0~40℃、额定电压、额定负载和额定转速 Below ±1% condition: ambient temperature 0~40℃, rated voltage, rated load and rated speed	
	额定电压 Rated voltage	V	单相 Single phase 110V 单相 Single phase 220V 3AC/115V/Optional 3AC/48VDC
电压容许范围 Voltage tolerance range	电压容许范围 Voltage tolerance range	±10%	
	频率 Frequency	Hz	50/60
	频率容许范围 Frequency tolerance range	±5%	
	额定输入电流 Rated input current	A	3.5 2.0 6.8
	瞬时最大输入电流 Instantaneous maximum input current	A	7.0 4.5 13.0

方型减速机/Square reducer

■M90BLD120-24A-25S—电压 Voltage 24/36/48/110/220



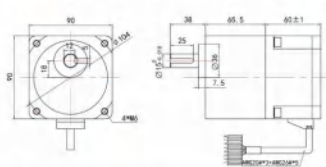
1 Connector: 5557-4R/10R (MOLEX)
2 Lead wire length 300mm
3 Round terminal: SRA-21T-4 (low ground)

■低电压电机接线插孔对应信号说明

Low Voltage Wire Plughole Corresp-onding Signal Explanation

Pin	1	2	3	4
Signal	V	24V	24V	24V
Signal	V	24V	24V	24V
Signal	V	24V	24V	24V

■M90BLD120-24A-25S尺寸图 Dimension drawing (标准驱动器 Standard Drive)



■高电压电机接线插孔对应信号说明

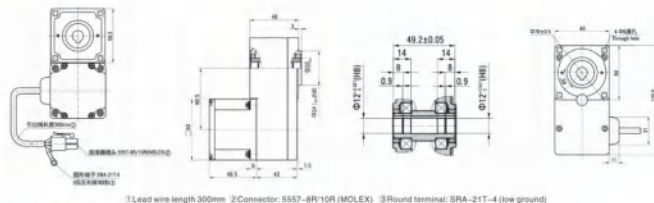
High Voltage Wire Plughole Corresp-onding Signal Explanation

Pin	1	2	3	4	5	6	7	8	9	10
Signal	V	24V	24V	24V	24V	24V	24V	24V	24V	24V
Signal	V	24V	24V	24V	24V	24V	24V	24V	24V	24V
Signal	V	24V	24V	24V	24V	24V	24V	24V	24V	24V

■L型减速机/L Type Speed Reducer

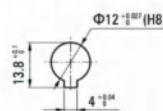
■M5BLD120-24GU-25S-LC

□—电压 Voltage 24/36/48/110/220 □—速比数据 Velocity Ratio Value



1 Lead wire length 300mm 2 Connector: 5557-4R/10R (MOLEX) 3 Round terminal: SRA-21T-4 (low ground)

■输出轴内孔结构/The Output Shaft Hole Structure



■M5BLD60-24GU-25S-LC 整机容许力矩(单位: N.m) M5BLD60-24GU-25S-LC Machine Allowable Torque (Unit: N.m)

电机转速 Motor Speed	速比 Reduction Ratio	5	10	15	20	30	50	100	200
200~1500RPM		1.09	2.18	3.26	4.35	6.53	10.9	21.8	43.5
2000RPM		0.92	1.84	2.76	3.68	5.52	9.20	18.4	36.8
2500RPM		0.84	1.67	2.51	3.35	5.02	8.37	16.7	33.5

■M5BLD90-24GU-25S-LC 整机容许力矩(单位: N.m) M5BLD90-24GU-25S-LC Machine Allowable Torque (Unit: N.m)

电机转速 Motor Speed	速比 Reduction Ratio	5	10	15	20	30	50	100	200
200~1500RPM		1.63	3.26	4.90	6.53	9.79	16.3	32.6	65.3
2000RPM		1.38	2.76	4.14	5.52	8.28	13.8	27.6	55.2
2500RPM		1.25	2.51	3.76	5.02	7.53	12.5	25.1	50.2

■M5BLD120-24GU-25S-LC 整机容许力矩(单位: N.m) M5BLD120-24GU-25S-LC Machine Allowable Torque (Unit: N.m)

电机转速 Motor Speed	速比 Reduction Ratio	5	10	15	20	30	50	100	200
200~1500RPM		2.41	4.83	7.24	9.65	13.1	21.8	43.5	68.0
2000RPM		2.04	4.08	6.13	8.17	11.0	18.4	36.8	66.6
2500RPM		1.86	3.71	5.57	7.43	10.0	16.7	33.5	60.5

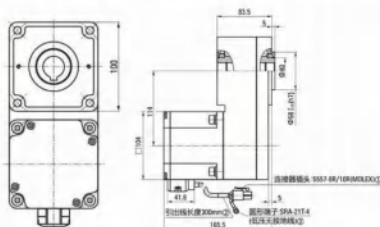
注Note: 表格中的所有速比旋转方向与电机转向相反。All gearbox output turn direction in form are opposite as motor turn direction.
(不同转速及速比下的力矩为标准驱动器下测试所得。The torque under different speed and speed ratio is obtained under the standard.)

►200W

■L型减速机 L Type Speed Reducer

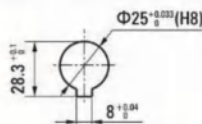
M6BLD200-24GU-25S-LC

□-电压 Voltage 24/36/48/110/220 □-速比数值 Velocity Ratio Value



① Connector: 5557-8R/10R (MOLEX) ② Lead wire length 300mm
 ③ Round terminal: SRA-21T-4 (low ground)

■输出轴孔内结构 The Output Shaft Hole Structure



■M6BLD200-24GU-25S-LC 整机容许力矩(单位: N.m)/M6BLD200-24GU-25S-LC Machine Allowable Torque (Unit: N.m)

电机轴转速 Motor Speed	速比 Reduction Ratio	5	10	15	20	30	50	100	200
200-1500RPM	4.02	8.04	12.1	16.1	21.8	36.3	72.5	120	
2000RPM	3.40	6.81	10.2	13.6	18.4	30.7	61.3	110	
2500RPM	3.09	6.19	9.28	12.4	16.7	27.9	55.8	100	

■M6BLD400-24GU-25S-LC 整机容许力矩(单位: N.m)/M6BLD400-24GU-25S-LC Machine Allowable Torque (Unit: N.m)

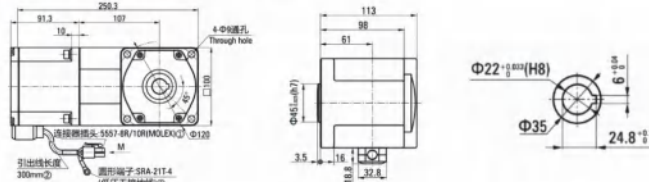
电机轴转速 Motor Speed	速比 Reduction Ratio	5	10	15	20	30	50	100	200
200-1500RPM	7.25	14.5	21.8	29.0	43.5	72.5	120	120	
2000RPM	6.13	12.3	18.4	24.5	36.8	61.3	120	120	
2500RPM	5.58	11.2	16.7	22.3	33.5	55.8	112	120	

注Note: 表格中的所有速比旋转方向与电机转向相反。All gearbox output turn direction in form are opposite as motor turn direction.
 (不同转速及速比下的力矩为标准驱动器下测试所得。The torque under different speed and speed ratio is obtained under the standard.)

■弧锥直角减速机 Arc Cone Right Angle Speed Reducer Motor

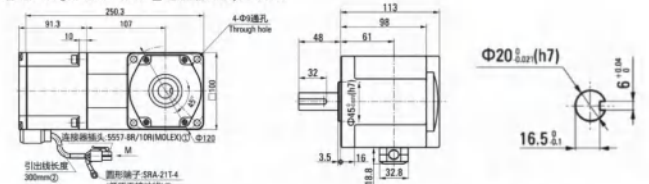
M6BLD200-24GU-25S-RC/RT

□-电压 Voltage 24/36/48/110/220 □-速比数值 Velocity Ratio Value



M6BLD200-24GU-25S-RC/RT

□-电压 Voltage 24/36/48/110/220 □-速比数值 Velocity Ratio Value



① Connector: 5557-8R/10R (MOLEX) ② The shaft length of lead line 300mm ③ Round terminal: SRA-21T-4 (low ground)

■M6BLD200-24GU-25S-RC/RT 整机容许力矩(单位: N.m)/M6BLD200-24GU-25S-RC/RT Machine Allowable Torque (Unit: N.m)

型号 Model	电机轴转速 Motor Speed	速比 Reduction Ratio	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
M5BLD200-□GU	200-1500RPM	6.03	7.24	9.06	10.9	13.1	16.4	19.7	23.6	32.8	36.3	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2000RPM	5.11	6.13	7.67	9.20	11.0	13.9	16.6	20.0	27.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2500RPM	4.64	5.57	6.97	8.37	10.0	12.6	15.1	18.2	25.2	30.3	37.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0

■M6BLD400-24GU-25S-RC/RT 整机容许力矩(单位: N.m)/M6BLD400-24GU-25S-RC/RT Machine Allowable Torque (Unit: N.m)

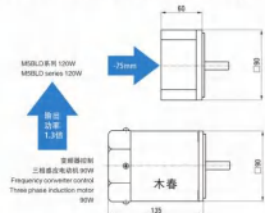
型号 Model	电机轴转速 Motor Speed	速比 Reduction Ratio	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
M5BLD400-□GU	200-1500RPM	12.1	14.5	14.5	18.1	21.8	26.1	26.2	32.8	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2000RPM	10.2	12.3	12.3	15.3	18.4	22.1	22.2	27.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2500RPM	9.28	11.1	11.2	13.9	16.7	20.1	20.2	25.2	30.3	36.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

注Note:
 表格中的 (灰色底部分) 表示旋转方向与电机转向一致。
 The (gray) in the table indicates that the rotation direction is consistent with the motor.
 (不同转速及速比下的力矩为标准驱动器下测试所得。The torque under different speed and speed ratio is obtained under the standard.)

► 薄型、大功率/Thin, High Power

无刷电机的转子使用永磁体，因此实现了薄型和大功率。比如，与安装尺寸90的三相感应电动机相比总长缩短75mm，输出功率达到1.3倍。若采用无刷电动机，有助于实现装置的小型化。

Brushless DC motors have a slim body and provide high power due to permanent magnets being used in the rotor. For example, the overall length is 75mm shorter and the output power is 1.3 times higher than that of three-phase induction motors with a frame size of 90mm. Using brushless DC motors can contribute to downsizing and space saving.



► 搭载保护功能，有助于保护设备系统的安全/Protection Function, Help To Protect The Safety Of The Equipment System

由于加载了过流、欠压、缺相等保护功能，因此可保证设备系统运行时的安全。
Due to the load of the overcurrent, undervoltage, open phase protection, for this reason can ensure the safety of equipment system.

► 电机的规格--转速/Motor specifications - speed

电机轴转速 Motor Speed	输出转速 Output Shaft Speed	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25
200~1500RPM	67~500	56~417	40~300	33~250	27~200	22~167	20~150	16~120	13~100	11~83	10~75	8~60	
2000RPM	667	556	400	334	267	223	200	160	134	112	100	80	
2500RPM	833	695	500	417	334	278	250	200	167	139	125	100	

电机轴转速 Motor Speed	输出转速 Output Shaft Speed	30	36	50	60	75	90	100	120	150	180	200
200~1500RPM	7~50	6~42	4~30	3~25	3~20	2~17	2~15	2~12.5	1.5~10	1~8	1~7.5	
2000RPM	67	56	40	34	27	23	20	17	14	12	10	
2500RPM	84	70	50	42	34	28	25	21	17	14	12.5	

► 电机的规格--产品种类/Motor specifications - product categories

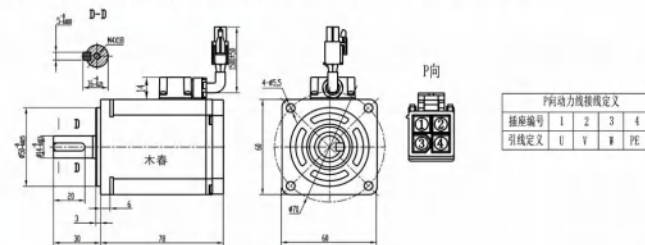
电动机 Motor	方形尺寸 Square Size	输出功率 Output Power	机壳 Model	驱动器 Driver 电源电压 Voltage Supply
	60X80	15, 25	标准型 Standard type IP40 或Or IP54	DC24~48V 单相 Single phase 220~240V
	80X80	40, 60		
	90X90(GN)	40, 60		
	90X90(GU)	60, 90, 120		
	104X104	200, 400		

永磁电机行星减速机

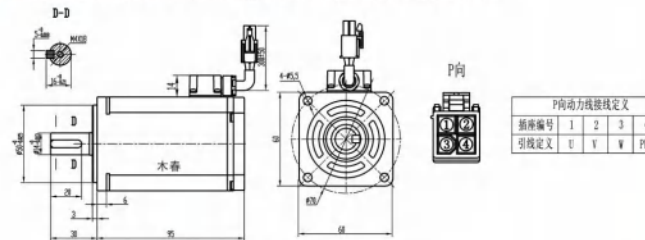
PERMANENT MAGNET MOTOR PLANETARY REDUCER



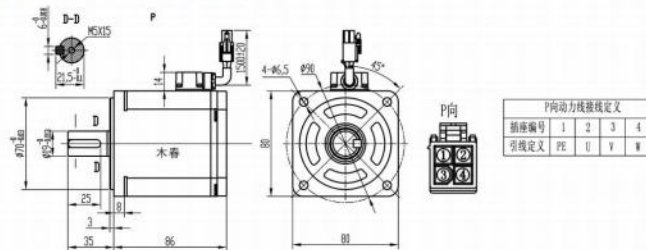
► M60BLD-400电机标准尺寸/M60bld-400 motor standard size



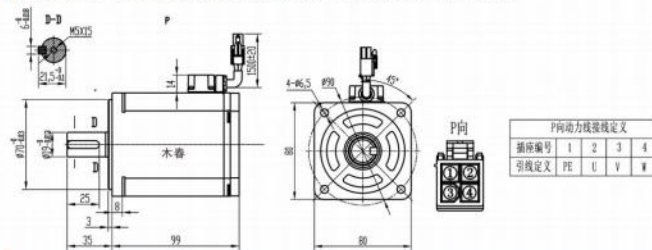
► M60BLD-600电机标准尺寸/M60bld-600 motor standard size



► M80BLD-750电机标准尺寸/M80bld-750 motor standard size



► M80BLD-1000电机标准尺寸/M80bld-1000 motor standard size



电机参数/Motor parameter

	M60BLD-400	M60BLD-600	M80BLD-750	M80BLD-1000
额定电压	220V	220V	220V	220V
额定输出功率	400W	600W	750W	1000W
额定转速	3000rpm	3000rpm	3000rpm	3000rpm
最大转速				
额定转矩	1.27N·m	1.91N·m	2.90N·m	3.3N·m
峰值扭矩	3.81N·m	5.73N·m	7.71N·m	9.9N·m
额定电流	1.3A	2.1A	2.5A	3.2A
峰值电流	3.9A	6.3A	7.5A	9.6A
转子惯量	0.52x10 ⁻³ Kg·m ²	0.77x10 ⁻³ Kg·m ²	1.48x10 ⁻³ Kg·m ²	2.27x10 ⁻³ Kg·m ²
力矩系数	0.508N.m/A	0.3N.m/A		0.56N.m/A
反电势				
线间电阻 (20℃)				
线间电感 (20℃)				
电气时间常数				
编码器规格				
绝缘等级	F	F	F	F
防护等级	IP65	IP67	IP65	IP65
冷却方式	自然冷却/Natural cooling	自然冷却/Natural cooling	自然冷却/Natural cooling	自然冷却/Natural cooling

微型交流减速电动机

AC GEAR MOTOR



高效率
HIGH EFFICIENCY



高耐用
HIGH DURABILITY



高效率
HIGH EFFICIENCY



型号的阅读方法

PRODUCT NUMBER CODE

►电动机/Motor

5 - 1 - K - 90 - R - GU - C - F
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

①	电动机的尺寸Motor frame size	0:42mm 2:60mm 3:70mm 4:80mm 5:90mm 6:104mm
②	类型名称Motor type	
③	I:感应电动机Induction motor R:可逆电动机Reversible motor T:转矩电动机Torque motor	
④	系列名称Series	K:K系列 K series
⑤	输出功率Output power(W)	(例 Example)40:40W
⑥	R:表示带调速电动机;无:表示未带The affix "R" after the output power means speed adjustable motor	
⑦	转动形状 Motor shaft type	
⑧	GN: GN型齿轮轴 GN type pinion shaft GU: GU型齿轮轴 GU type pinion shaft	
	A: 圆轴型 Round shaft A1:键槽型 Keyway	
	电源电压 · 极数 Voltage · Poles	
	A:单相Single-phase 110V50/60Hz 4P S:三相Three-phase 200/220/230V50/60Hz 4P	
	C:单相Single-phase 220/230V50Hz 4P S3:三相Three-phase 380/400/415V50/60Hz 4P	
	T:带端子箱型 Terminal box type	
	F:带风扇 W/Fan FF:带强制风扇 W/Forced fan	
	M:无励磁动作型电磁制动电动机 Power off activated type electromagnetic brake motor	

►减速器型号说明/Description Of Reducer Model

5 - GN - 50 - K
① ② ③ ④

①	减速器安装尺寸 Gearhead frame size	0:42mm 2:60mm 3:70mm 4:80mm 5:90mm 6:104mm
②	类型 Type of pinion	GN: GN型齿轮轴 GN type gear GU: GU型齿轮轴 GU type gear
③	减速比 Gear ratio	(例e.g)50:减速比 Gear ratio of 1:50 10x仅限减速器1:10的中间减速比10x denotes the decimal gearhead of ratio 1: 10
④	轴承种类 Bearing type	K:滚动轴承(对GU型方箱体标注为KB)(Bearing)(Make KB for type GU square case)

如:电机配平行轴减速器时第5项省略,如配直角减速器时第4项省略。

Note: If the motor assembly with parallel gear box pls cancel item no 5, if assembly with right angle gear box pls cancel item no 4.

微型电机

INDUCTION MOTORS

40W □ 90mm

60W □ 90mm

►连续额定/Continuous Rating

型号Model - 微型Type 上盖 铁壳型Cover: Poles Shaft 下盖 铁壳型Bottom: Round Shaft	输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque mN.m	额定转矩 Rated Torque mN.m	额定转速 Rated Speed r/min	电容器容量 Capacitor μF
5IK40GN-C (5IK40A-C)	40	1ph 220	50	0.35	220	315	1250	2.5
5IK40GN-S (5IK40A-S)	40	3ph 220	50	0.30	800	315	1250	-
			60	0.25	660	250	1550	-
5IK60GN-CF (5IK60A-CF)	60	1ph 220	50	0.50	340	470	1250	4.0
5IK60GN-SF (5IK60A-SF)	60	3ph 220	50	0.45	1000	470	1250	-
			60	0.40	800	380	1550	-

►容许力矩单位/Allowance Torque Unit:(N.m)

类型Type 电动机 Motor 减速机 Gearhead	减速比 Gear Ratio	2	3	4	5	6	7.5	8	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
	转速 Speed/r/min	50Hz	500	417	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5
	60Hz	50Hz	0.77	0.92	1.30	1.50	1.90	2.30	2.38	3.20	3.80	4.60	4.86	5.70	6.90	8.30	8.57	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
5IK40GN-S□	5GNCK	60Hz	0.63	0.76	1.10	1.30	1.60	1.90	2.00	2.60	3.20	3.80	4.07	4.70	5.70	6.80	7.19	8.60	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
5IK60GN-SF□	5GNCK	50Hz	1.10	1.40	1.90	2.30	2.90	3.40	3.57	4.80	5.70	6.80	7.03	8.60	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	60Hz	0.92	1.10	1.50	1.80	2.30	2.80	2.99	2.80	4.80	5.50	5.70	6.90	8.30	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

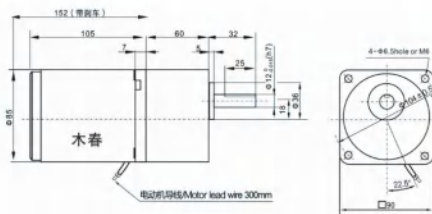
►电动机/Motor

型号Model - 微型Type 电机型Lead Wire Type	额定 Rating	输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque mN.m	额定转矩 Rated Torque mN.m	额定转速 Rated Speed r/min	电容器容量 Capacitor μF
5IK60GN-CFM	30min	60	1ph 220	50	0.55	420	470	1250	4.50
5IK60GN-SFM	30min	60	3ph 220	50	0.45	1000	470	1250	-
				60	0.40	800	380	1550	-

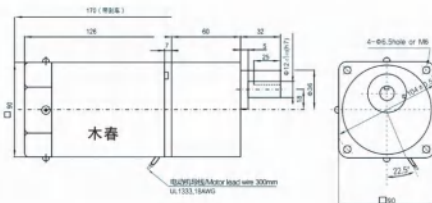
外形图 (单位MM)

DIMENSIONS (UNIT MM)

▶40W



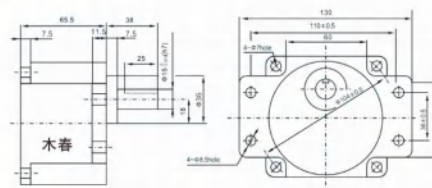
▶60W



▶60W

南耳空减速器 Flange Mounting Reducer

◆可安装在GU齿轮轴型上 ◆SGU□K ◆重量Weight:1.5kg
Can be mounted on GU type gear shaft



微型电机

INDUCTION MOTORS

90W □90mm

120W □90mm

▶连续额定/Continuous Rating

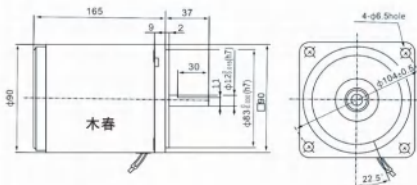
型号Model / 类型Type 上轴 轴伸轴Upper Pinion Shaft 下轴 轴伸轴Lower Pinion Shaft	输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque mN.m	额定转矩 Rated Torque mN.m	额定转速 Rated Speed r/min	电容器容量 Capacitor μF
5IK90GU-CF (5IK90A-CF)	90	1ph 220	50	0.72	450	570	1250	5.0
5IK90GU-SF (5IK90A-SF)	90	3ph 220	50	0.60	1350	700	1250	—
5IK90GU-SFT (5IK90A-SFT)	90	3ph 220	60	0.55	1100	570	1550	—
5K120GU-CF (5K120A-CF)	120	1ph 220	50	1.00	600	750	1550	7.0
5K120GU-SF (5K120A-SF)	120	3ph 220	50	0.70	1850	930	1250	—
5K120GU-SFT (5K120A-SFT)	120	3ph 220	60	0.60	1600	750	1550	—

▶容许力矩单位/Allowance Torque Unit:(N.m)

电机Type 电动机 Motor 减速机 Gearhead	减速比 Gear Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
5IK90GU-CF 5GUCKB	50Hz 60Hz	1.10/2.00	2.80/3.40	4.30/5.10	5.31/6.40	7.70/9.20	9.55/11.6	13.6/16.6	18.1/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0
5IK90GU-SF 5GUCKB	50Hz 60Hz	1.40/1.70	2.30/2.80	3.50/4.20	4.43/5.20	6.20/7.50	7.81/9.40	11.3/13.5	14.5/18.8	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0
5K120GU-CF 5GUCKB	50Hz 60Hz	2.30/2.70	3.80/4.50	5.60/6.80	7.01/8.50	10.2/12.2	12.5/15.3	18.4/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0
5K120GU-SF 5GUCKB	50Hz 60Hz	1.80/2.20	3.00/3.60	4.60/5.50	5.73/6.80	8.20/9.80	10.1/12.4	14.9/17.8	19.5/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0

▶90W

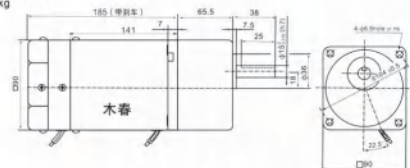
◆光轴电动机 Motor
5IK90A-C, 5IK90A-CM
重量Weight:2.5kg



外形图 (单位MM) DIMENSIONS (UNIT MM)

►90W

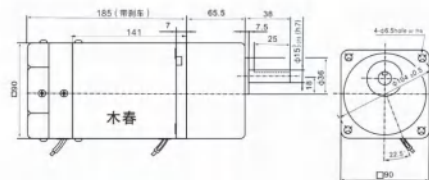
- ◆导线型 Lead Wiring Type
- 重量Weight:电动机 Motor:4.3kg
- 减速器 Gearhead:1.5kg



减速器所有安装用螺丝/Mounting screws are included with gearhead

►120W

- ◆导线型 Lead Wiring Type
- 重量Weight:电动机 Motor:4.3kg
- 减速器 Gearhead:1.5kg

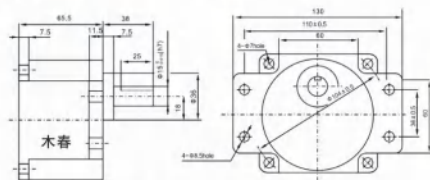


减速器所有安装用螺丝/Mounting screws are included with gearhead

►90W

带耳型减速器 Flange Mounting Reducer

- ◆可安装在GU齿轮轴上 Can be mounted on GU type gear shaft
- ◆5GU□K
- ◆重量Weight:1.5kg



微型电机 INDUCTION MOTORS

150W|□104mm

200W|□104mm

250W|□104mm

►连续额定/Continuous Rating

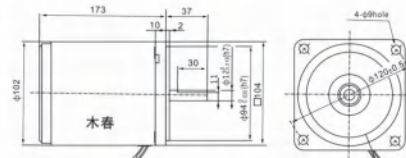
型号Model - 类型Type 上段: 伞齿轮Upper Pinion Shaft 下段: 内齿圈Below Round Shaft	输出 功率 W	电压 V	频率 Hz	电流 A	启动转矩 mN.m	额定转矩 mN.m	额定转速 r/min	电容容量 μF
6IK150GU-CF (6IK150A-CF)	150	1ph 220	50	1.05	850	1040	1350	10
6IK150GU-SF (6IK150A-SF)	150	3ph 220	50	0.85	2700	1080	1250	-
		60	0.75	2200	870	1550		
6IK200GU-CF (6IK200A-CF)	200	1ph 220	50	1.40	1000	1520	1250	10
6IK200GU-SF (6IK200A-SF)	200	3ph 220	50	1.20	3400	1520	1250	-
		60	1.00	2700	1230	1550		

►容许力矩单位/Allowance Torque Unit:(N.m)

类型Type 电动机 Motor 减速机 Gearhead	减速比 Gear Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
6IK150-CF 6IK150-SF	50Hz	2.60	3.10	4.40	5.20	6.60	7.90	7.90	9.90	11.8	14.2	14.0	17.8	21.4	25.7	28.0	36.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
6IK200-CF 6IK200-SF	50Hz	2.50	3.00	4.20	5.10	6.30	7.80	7.20	9.50	11.4	13.7	13.0	17.2	20.6	24.7	26.0	34.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
6IK250-CF 6IK250-SF	50Hz	2.10	2.50	3.50	4.20	5.30	6.30	6.30	7.90	9.50	11.4	11.3	14.4	17.2	20.7	22.6	28.7	34.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0
6IK300-CF 6IK300-SF	50Hz	2.10	2.50	3.40	4.10	5.20	6.20	6.10	7.80	9.30	11.2	11.0	12.0	16.8	20.2	22.0	28.0	33.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0
6IK400-CF 6IK400-SF	50Hz	3.71	4.46	6.19	7.43	9.28	11.1	11.9	13.9	16.7	20.1	20.8	25.2	30.3	36.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
6IK500-CF 6IK500-SF	50Hz	2.99	3.59	4.99	5.99	7.49	8.98	9.70	11.2	13.5	16.2	17.2	20.3	24.4	29.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
6IK600-CF 6IK600-SF	50Hz	3.71	4.46	6.19	7.43	9.28	11.1	11.9	13.9	16.7	20.1	20.8	25.2	30.3	36.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
6IK800-CF 6IK800-SF	50Hz	2.99	3.59	4.99	5.99	7.49	8.98	9.70	11.2	13.5	16.2	17.2	20.3	24.4	29.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

►200W

- ◆光轴电动机Motor
- 6IK200A-C, 6IK200A-CM
- 重量Weight:3.5kg

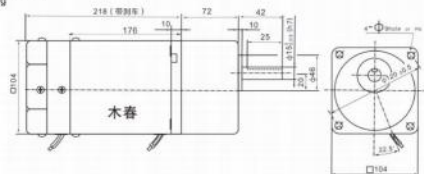


外形图 (单位MM)

DIMENSIONS (UNIT MM)

▶150W

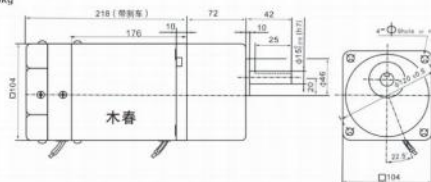
- ◆导线型 Lead Wiring Type
- 重量Weight:电动机Motor:4.3kg
- 减速机Gearhead:1.5kg



减速机附有安装用螺丝/Mounting screws are included with gearhead

▶200W

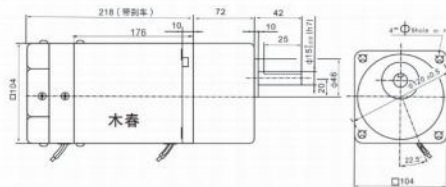
- ◆导线型 Lead Wiring Type
- 重量Weight:电动机Motor:4.3kg
- 减速机Gearhead:1.5kg



减速机附有安装用螺丝/Mounting screws are included with gearhead

▶250W

- ◆导线型 Lead Wiring Type
- 重量Weight:电动机Motor:4.3kg
- 减速机Gearhead:1.5kg



减速机附有安装用螺丝/Mounting screws are included with gearhead

弧锥直角电动机

AC GEAR MOTOR



高刚性
HIGH RIGIDITY



高耐用
HIGH DURABILITY



高效率
HIGH EFFICIENCY



弧锥直角 SPIRAL BEVEL RIGHT ANGLE

40W □90mm

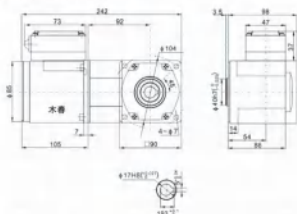
60W □90mm

容许力矩单位/Allowance Torque Unit:(N.m)

类型Type 电动机 Motor 减速机 Gearhead	减速比 Gear Ratio	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
		转速 Speed r/min		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz
		200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10	8.3	7.5
5IK40GU-C□	5GU□RC	50Hz	1.90	2.30	3.20	3.80	4.60	5.70	6.90	8.30	10.0	11.4	14.2	17	19	20	20	20
5IK40GU-S□	5GU□RT	60Hz	1.60	1.90	2.60	3.20	3.80	4.70	5.70	6.80	8.60	9.2	11.5	13.7	15.3	18	20	20
5IK60GU-CF□	5GU□RC	50Hz	2.90	3.40	4.80	5.70	6.80	8.60	9.5	10.0	14.2	17	20	20	20	20	20	20
5IK60GU-SF□	5GU□RT	60Hz	2.30	2.80	3.80	4.60	5.50	6.90	7.8	8.3	11.5	13.7	17.2	20	20	20	20	20

电机尺寸图/Motor Size chart

5IK40GU-A□5GU□RC 5IK40GU-C□5GU□RC
5IK40GU-S□5GU□RC



弧锥直角 SPIRAL BEVEL RIGHT ANGLE

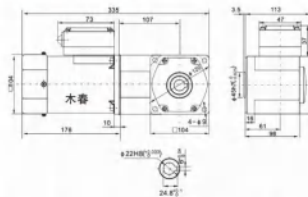
150W | □104mm 200W | □104mm 250W | □104mm

▶ 容许力矩单位/Allowance Torque Unit:(N.m)

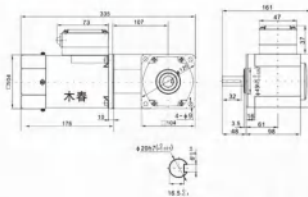
类型Type 电动机 Motor 减速机 Gearhead	减速比 Gear Ratio	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
		转速 Speed/r/min	50Hz	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10
	60Hz	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10	9
6IK150GU-CF□ 6IK150GU-SF□	6GU□RC	50/60Hz	5.30	6.30	9.20	11.0	13.0	18.0	22.0	26.0	33.0	40.0	49.7	59.6	60.0	60.0	60.0	60.0
	6GU□RT		5.20	6.20	7.80	9.30	11.2	15.0	18.0	22.0	27.0	32.0	40.0	48.0	53.0	60.0	60.0	60.0
6IK200GU-CF□ 6IK200GU-SF□	6GU□RC	50Hz	9.28	11.1	13.9	16.7	20.1	25.2	30.3	36.3	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	6GU□RT	60Hz	7.49	8.96	11.2	13.5	16.2	20.3	24.4	29.3	41.0	49.0	60.0	60.0	60.0	60.0	60.0	60.0
6IK250GU-SF□ 6IK250GU-SF□	6GU□RC	50Hz	10.7	12.6	16.0	19.2	23.0	28.8	34.8	41.7	57.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	6GU□RT	60Hz	8.60	10.3	12.9	15.5	18.6	23.3	28.0	33.7	47.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0

▶ 电机尺寸图/Motor Size chart

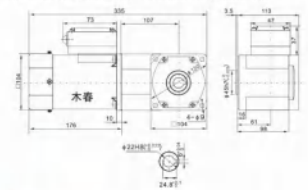
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6IK150GU-SF□/6GU□RC



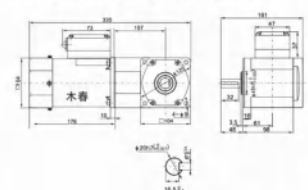
6IK150GU-AF□/6GU□RT 6IK150GU-CF□/6GU□RT
6IK150GU-SF□/6GU□RT



6IK200GU-AF□/6GU□RC 6IK250GU-AF□/6GU□RC
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6IK200GU-SF□/6GU□RC 6IK250GU-SF□/6GU□RC

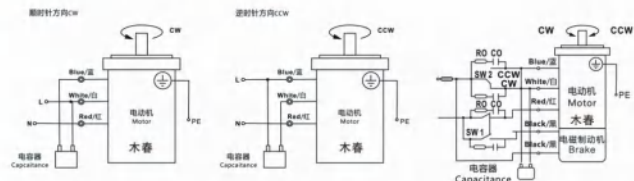


6IK200GU-AF□/6GU□RT 6IK250GU-AF□/6GU□RT
6IK200GU-CF□/6GU□RT 6IK250GU-CF□/6GU□RT
6IK200GU-SF□/6GU□RT 6IK250GU-SF□/6GU□RT

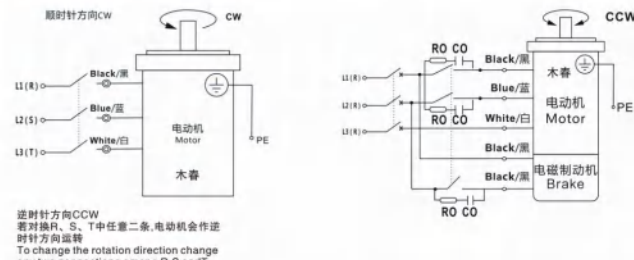


连接图 WIRING DIAGRAM

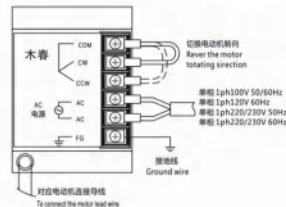
▶ 单相接法/Single phase connection



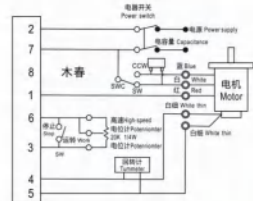
▶ 三相接法/Three phase connection



US型/US Type调速器



SS型/SS Type



中型交流减速电动机

AC GEAR MOTOR



高刚性
HIGH RIGIDITY



高耐用
HIGH DURABILITY



高效率
HIGH EFFICIENCY



中型交流减速电机型号说明方法

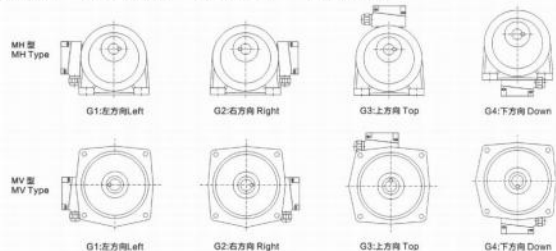
TYPE AND MOTOR MODEL

► 减速电机型号说明/Description Of Motor Model

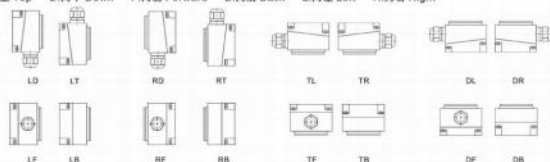
M100-H-01-50-S-B-F-G1-LD

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① M木春品牌代号, 输出功率Output:100W,200W,400W,750W,1100W,1500W,2200W,3000W,3700W,5.5KW,7.5KW
- ② 箱体结构基本代号Basic structure:MH(卧式Horizontal), MV(立式Vertical)
- ③ 01=18,02=23,03=28,04=32,05=40,06=50,07=60
- ④ 齿轮箱的减速比Gear ratio:3,5,10...1800
- ⑤ 电机输入电压
- S:三相电机 3-Phase motor,220~240/380~415V,50/60Hz
C:单相电机 1-Phase motor,220V,50/60Hz
A:单相电机 1-Phase motor,110V,50/60Hz
- ⑥ 刹车器Brake unit
B:DC断电刹车器 Brake unit(另配交流变直快速整流器 With quick rectifier from AC to DC)
YB:手持式刹车器 Manual brake unit
- ⑦ F2:220V轴流风机, F3:380V轴流风机, F2:220V axial fan, F3:380V axial fan
- ⑧ 出轴端引线盒方位(如图示) Terminal box direction from output shaft(As shown)
G1:左方向Left G2:右方向Right G3:上方向Top G4:下方向Down



- ⑨ 出轴端引出线方位(如图示)Lead direction from output shaft(As shown)
T:向上 Top D:向下 Down F:向前 Forward B:向后 Back L:向左 Left R:向右 Right

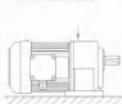


中型交流减速电机型号说明方法

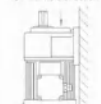
TYPE AND MOTOR MODEL

⑤ 出厂标准安装形式: Standrad installaion method
本公司出厂所有减速器适用如图安装形式
All of company's reducer can be applied to the following kinds of installation method
图中Q1、Q4、Q7、Q8中注油孔方向为标准型
In the diagram, Q1、Q4、Q7、Q8 are our standard types of oil hole direction
注油孔在特殊位置的, 请特别告知, 本公司将修改出气孔位置
Pis inform us if the location of oil hole is special, we will modify it
实际使用时, 建议将注油孔中的堵油锁拔出, 以平衡减速机内的压力
Pis pull out the pin of the oil plug to reduce the pressure in the gearbox during running

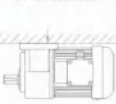
Q1 出气孔方向
Air hold direction



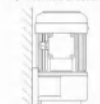
Q2 出气孔方向
Air hold direction



Q3 出气孔方向
Air hold direction



Q4 出气孔方向
Air hold direction



Q5 出气孔方向
Air hold direction



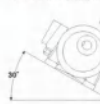
Q6 出气孔方向
Air hold direction



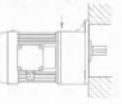
Q7 出气孔方向
Air hold direction



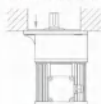
Q8 出气孔方向
Air hold direction



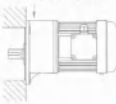
Q1 出气孔方向
Air hold direction



Q2 出气孔方向
Air hold direction



Q3 出气孔方向
Air hold direction



Q4 出气孔方向
Air hold direction



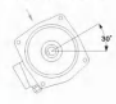
Q5 出气孔方向
Air hold direction



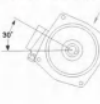
Q6 出气孔方向
Air hold direction



Q7 出气孔方向
Air hold direction



Q8 出气孔方向
Air hold direction



备注:
订购变频电机时, 请说明变频范围, 减速电机的使用环境工作方式等。
带刹车减速电机总长度需增加10mm。
Note: For motors supplied by transducer please tell us detailed working modes and working ambient.
The total length of brake motors will be 10mm longer than standard motors.

技术资料

TECHNICAL DATA

► 电机基本规范/Motor Specification

项目 Item	三相电机 3-Phase Motor	单相电机 1-Phase Motor
防护等级 Protection	铝合金壳接盒为IP54, 铁壳接盒为IP20 IP54 with alum alloy terminal box and other is IP20	
外壳材质 Frame material	100W~3700W机壳为铝合金, 1#, 2#, 3#, 4#齿轮箱为铸铁, 5#, 6#齿轮箱为铸钢 Alum alloy for 100W~3700W frame, alum alloy for 1#, 2#, 3#, 4# gear case, 5#, 6# cast iron for others	
工作方式 Duty	连续运转/Continuous running S1工作制 Duty:S1	
绝缘等级 INS.class	B级(F级) 可选/Optional 常规B级(F级可选)/Regular class B(Class F can choose)	
适用环境 Environment	温度/Temp: -10℃~+40℃ 湿度/Humidity: <90%	
使用电压 Voltage	220~240/380~415V, 50/60Hz	110V/50/60Hz, 220V/50/60Hz
极数 Pole	4P(6P)	4P
海拔 Height	<1000m	
启动方式 Starting	全压启动 Full pressure starting	0.1~0.2Kw单电容启动 Capacitor 0.4~1.5Kw双电容启动 Double capacitors
依据标准 Standard	GB/T12350-2009	

► 单相电机配套电容值, 电容运转形式/Capacitor For 1-phase Motor, C-running Type

输出功率 Output Power	运转电容 Running Capacitor	启动电容 Starting Capacitor	运转电容+启动电容(离心开关) Running+Starting Capacitor (Centrifugal Switch)
100W, 1/8HP	8 μ F/450V	/	/
200W, 1/4HP	12 μ F/450V	/	/
400W, 1/2HP	/	/	15 μ F/450V+75 μ F/250V
750W, 1HP	/	/	20 μ F/450V+150 μ F/250V
1500W, 2HP	/	/	40 μ F/450V+200 μ F/250V

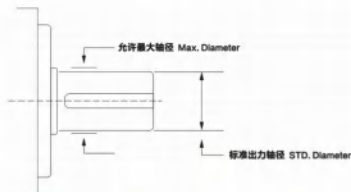
► 刹车性能说明/Function For Brake Unit

输出功率 Output Power	允许最高转速 Permit Max Rpm	刹车制动力 Torque (kg.m)	刹车间隙 Clearance(mm)	重量 Weight (kg)
1/8HP4P~1/4HP4P (100W~200W)	1700	0.15~0.4	0.3~0.5	2.0
1/2HP4P~1HP4P (400W~750W)	1700	0.25~0.7	0.4~0.6	4.3
2HP4P~3HP4P (1500W~2200W)	1700	0.92~2.0	0.5~0.7	6.3
4HP4P~5HP4P (3000W~3700W)	1700	1.80~3.5	0.6~0.8	7.0

技术资料

TECHNICAL DATA

► 输出轴允许最大轴径/Available Max Output Shaft Diameter



齿轮箱型号 Gear box	标准出力轴直径 Standard Output Shaft Dia	最大允许直径 Max Available Shaft Dia	输出轴轴承 Output End Bearing
1#	Φ18	Φ20	6004
2#	Φ22	Φ25	6205
3#	Φ28	Φ30	6206
4#	Φ32	Φ35	6207
5#	Φ40	Φ45	6209
6#	Φ50	Φ55	6211

► 减速电机各零件部分大致说明/Main Parts Notes

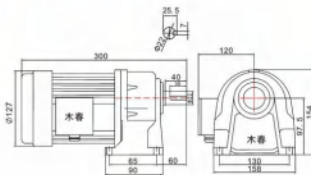
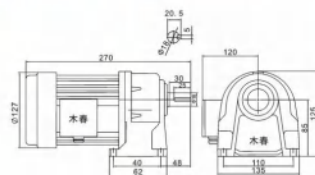
零件名称/Parts Name	说明/Notes
箱体/Gearbox	1#、2#、3#、4#箱体输出轴直径为18、22、28、32，箱体采用铝合金，5#、6#箱体主轴直径为40、50，箱体采用铸钢。 The output shaft diameter of gearbox 1#, 2#, 3#, 4# are 18, 22, 28, 32 respectively. The material of gearbox is Al alloy. 5#, 6# are 40, 50 respectively. Gearbox is made of cast iron.
齿轮片/Gear piece	齿轮材料为40Cr, 调质HB280, 高精度滚齿, 齿部高频淬火HRC60, 齿面磨齿, 齿轮精度6级。 The material 40Cr is made to HB280, then dealt with high frequency quenching HRC60. Gear should be processed by milling with high precision. The class is 6.
齿轮轴/Gear shaft	齿轮材料为20CrMnTi, 高精度滚齿, 渗碳淬火HRC60, 齿面二次磨齿, 精度6级。 The material 20CrMnTi will be made into HRC60 through processing of cementite quenching. Gear shaft will be processed with gear hobbing precision class is 6.
电机轴/Motor shaft	齿轮材料为20CrMnTi, 高精度滚齿, 渗碳淬火HRC60, 齿面二次磨齿, 精度6级。 The material 20CrMnTi will be changed into HRC60 through processing of cementite quenching. Gear shaft will be processed with gear hobbing precision class is 6.
轴承/Ball bearing	电机部分轴承采用高精度等级精密轴承, 以确保长期运转寿命。 We adopt tight bearing with high precision, to make sure long term running life.
油封/Oil seal	电机轴以耐高温油封为主, 可有效防止油脂渗漏。 Gear shaft gives priority to enduring high temp. avoiding oil infiltration.
接线盒/Terminal box	有两种: 一种是铝合金接线盒, 有较好的防水及防尘性能, 防护等级为IP54。 另外一种为铁壳的接线盒, 结构轻巧, 防护等级为IP20。 Two type: One is Al alloy which has good capability of waterproof and dustproof. Protection grade is IP54. The other is steel case with soft structure. Protection grade is IP20.

0.1KW/0.2KW 卧式/HORIZONTAL 单相/三相/1-PHASE/3-PHASE

► 外形尺寸(单位mm)/Shape Size(mm)

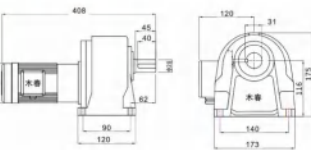
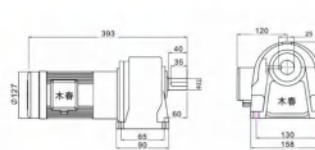
型号/Model number M100/200-H01-(3-200)

型号/Model number M100/200-H02-(60-200)

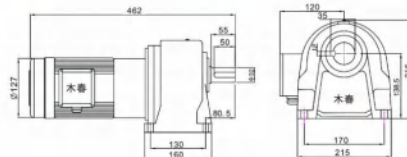


型号/Model number M100/200-H02-(210-25000)高比数

型号/Model number M100/200-H03-(210-25000)高比数



型号/Model number M100/200-H04-(210-20000)高比数

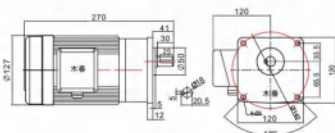


注: 带*型号为非标准型号
Note: Models with * are non-standard models

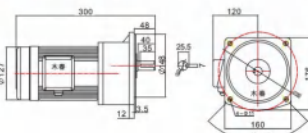
0.1KW/0.2KW 立式/VERTICAL 单相/三相/1-PHASE/3-PHASE

▶ 外形尺寸(单位mm)/Shape Size(mm)

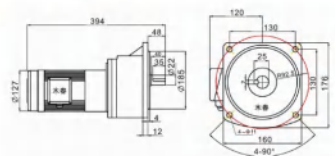
型号/Model number M100/200-V01-(3-200)SB



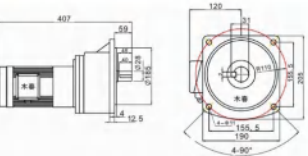
型号/Model number M100/200-V02-(60-200)



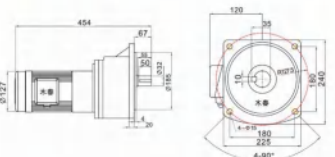
型号/Model number M100/200-V02-(210-25000)高比数



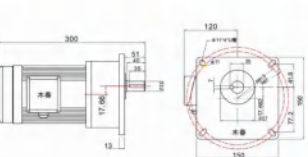
型号/Model number M100/200-V03-(210-25000)高比数



型号/Model number M100/200-V04-(210-20000)高比数



型号/Model number M100/200-TV02-(60-200)偏心轴



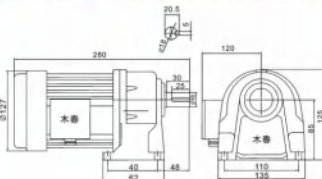
注明:带*型号为非标准型号
Note: Models with * are non-standard models

0.4KW 卧式/HORIZONTAL 单相/三相/1-PHASE/3-PHASE

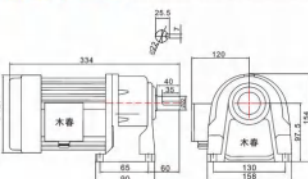
小机筒

▶ 外形尺寸(单位mm)/Shape Size(mm)

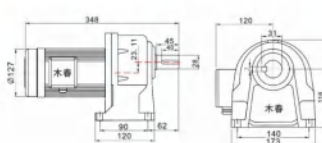
型号/Model number M400-H01-(3-10)



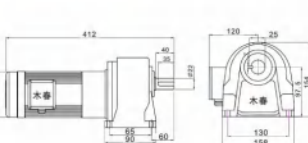
型号/Model number M400-H02-(3-90)



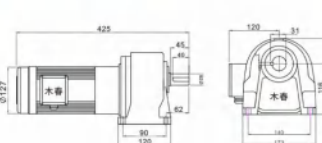
型号/Model number M400-H03-(15-200)



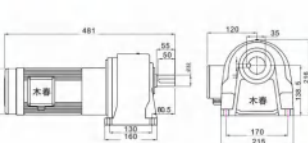
型号/Model number M400-H02-(210-25000)高比数



型号/Model number M400-H03-(210-25000)高比数



型号/Model number M400-H04-(210-20000)高比数



注明:带*型号为非标准型号
Note: Models with * are non-standard models

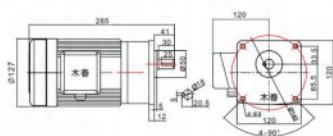
0.4KW

立式/VERTICAL
单相/三相/1-PHASE/3-PHASE

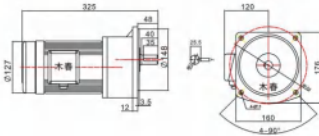
小机筒

▶ 外形尺寸(单位mm)/Shape Size(mm)

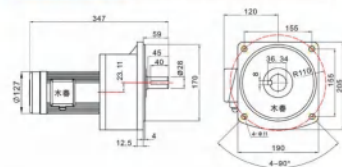
型号/Model number M400-V01-(3-10)



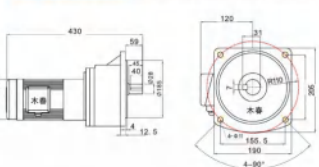
型号/Model number M400-V02-(3-90)



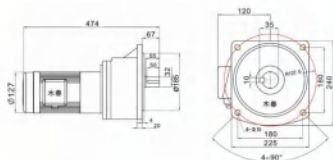
型号/Model number M400-V03-(15-200)



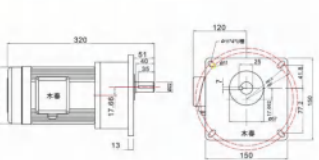
型号/Model number M400-V03-(210-25000)高比数



型号/Model number M400-V04-(210-20000)高比数



*型号/Model number M400-TV02-(3-90)偏心法兰



注明:带*型号为非标准型号
Note: Models with * are non-standard models

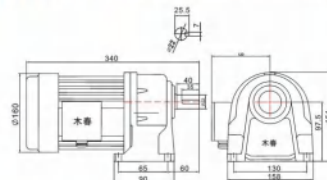
0.4KW

卧式/HORIZONTAL
单相/三相/1-PHASE/3-PHASE

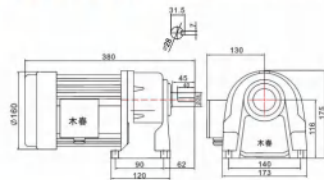
标准款

▶ 外形尺寸(单位mm)/Shape Size(mm)

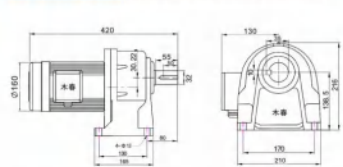
型号/Model number M400-H02-(3-90)



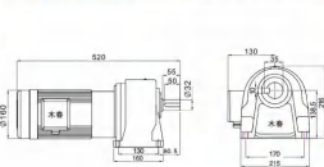
型号/Model number M400-H03-(15-200)



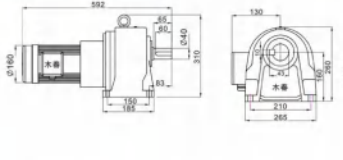
型号/Model number M400-H04-(100-200)



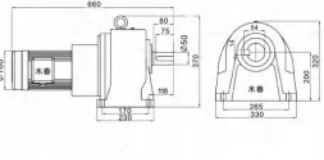
型号/Model number M400-H04-(210-20000)高比数



型号/Model number M400-H05-(210-20000)高比数



型号/Model number M400-H06-(210-25000)高比数



注明:带*型号为非标准型号
Note: Models with * are non-standard models

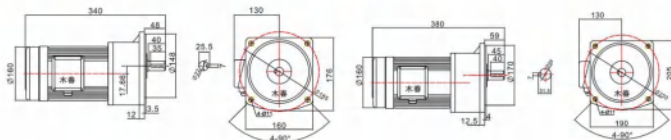
0.4KW

立式/VERTICAL
单相/三相/1-PHASE/3-PHASE

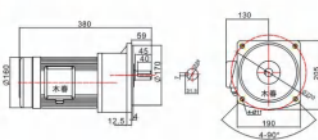
标准款

▶ 外形尺寸(单位mm)/Shape Size(mm)

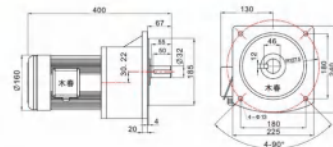
型号/Model number M400-V02-(3-90)



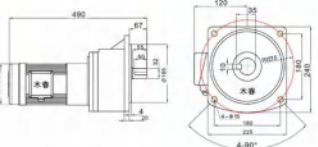
型号/Model number M400-V03-(15-200)



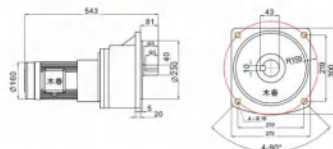
型号/Model number M400-V04-(100-200)



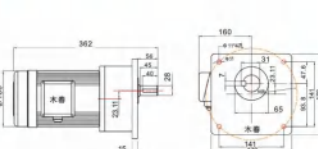
型号/Model number M400-V04-(210-20000)高比数



型号/Model number M400-V05-(210-20000)高比数



型号/Model number M400-TV03-(15-200)偏心法兰



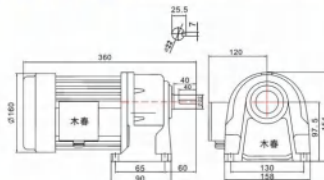
注明:带*型号为非标准型号
Note: Models with * are non-standard models

0.75KW/1.1KW

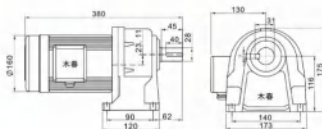
卧式/HORIZONTAL
三相/3-PHASE

▶ 外形尺寸(单位mm)/Shape Size(mm)

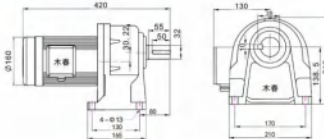
型号/Model number M750-H02-(3-25)



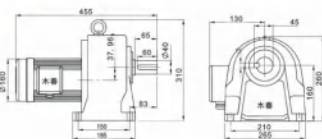
型号/Model number M750-H03-(3-120)



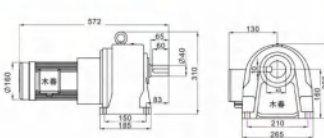
型号/Model number M750-H04-(30-200)



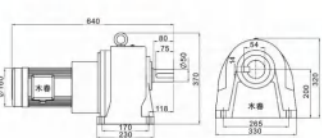
型号/Model number M750-H05-(125-200)



型号/Model number M750-H05-(210-25000)高比数



型号/Model number M750-H06-(210-25000)高比数

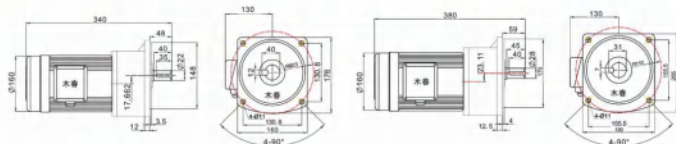


注明:带*型号为非标准型号
Note: Models with * are non-standard models

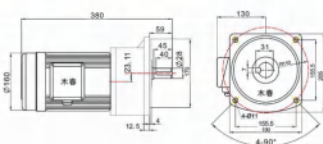
0.75KW/1.1KW 立式/VERTICAL 三相/3-PHASE

▶ 外形尺寸(单位mm)/Shape Size(mm)

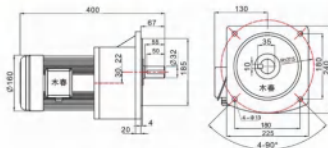
型号/Model number M750-V02-(3-25)



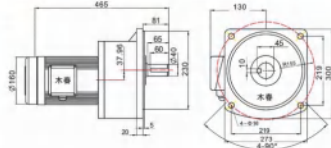
型号/Model number M750-V03-(3-120)



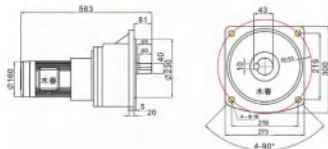
型号/Model number M750-V04-(30-200)



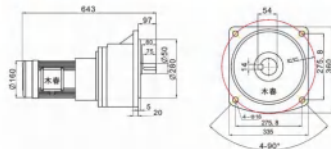
型号/Model number M750-V05-(125-200)



型号/Model number M750-V05-(210-25000)高比数



型号/Model number M750-V06-(210-25000)高比数

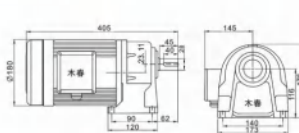


注明:带*型号为非标准型号
Note: Models with * are non-standard models

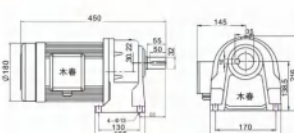
1.5KW/2.2KW 卧式/HORIZONTAL 三相/3-PHASE

▶ 外形尺寸(单位mm)/Shape Size(mm)

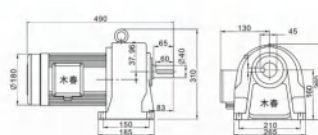
型号/Model number M1500/2200-H03-(3-25)



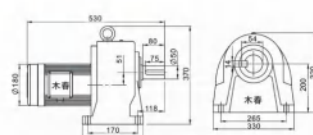
型号/Model number M1500/2200-H04-(3-120)



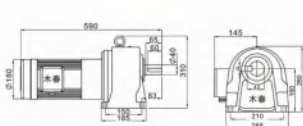
型号/Model number M1500/2200-H05-(30-200)



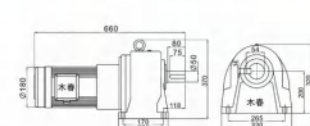
型号/Model number M1500/2200-H06-(125-200)



型号/Model number M1500/2200-H05-(210-22000)高比数



型号/Model number M1500/2200-H06-(210-20000)高比数

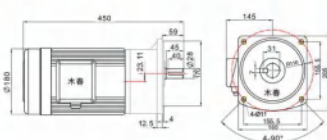


注明:带*型号为非标准型号
Note: Models with * are non-standard models

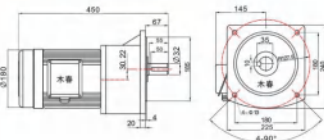
1.5KW/2.2KW 立式/VERTICAL 三相/3-PHASE

▶ 外形尺寸(单位mm)/Shape Size(mm)

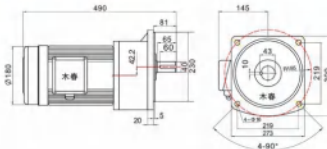
型号/Model number M1500/2200-V03-(3-25)



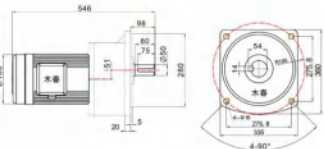
型号/Model number M1500/2200-V04-(3-120)



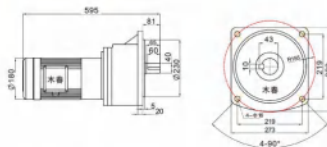
型号/Model number M1500/2200-V05-(30-200)



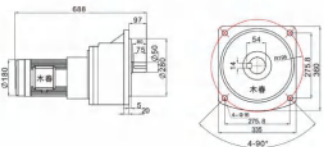
型号/Model number M1500/2200-V06-(125-200)



型号/Model number M1500/2200-V05-(210-22000)高比数



型号/Model number M1500/2200-V06-(210-20000)高比数

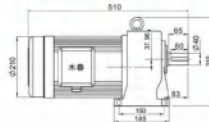


注明:带*型号为非标准型号
Note: Models with * are non-standard models

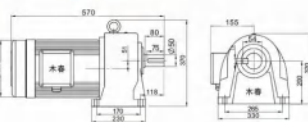
3.7KW/5.5KW 卧式/立式 HORIZONTAL/VERTICAL 三相/3-PHASE

▶ 外形尺寸(单位mm)/Shape Size(mm)

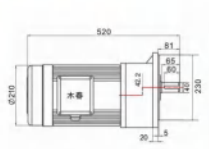
型号/Model number M3700-H05-(3-200)



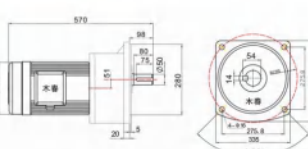
型号/Model number M3700-H06-(15-200)



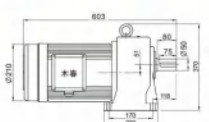
型号/Model number M3700-V05-(3-200)



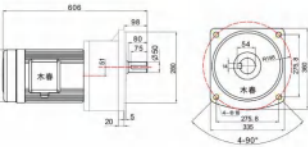
型号/Model number M3700-V06-(15-200)



型号/Model number M5500-H06-(15-200)



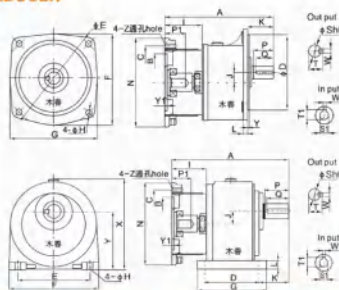
型号/Model number M5500-V06-(15-200)



注明:带*型号为非标准型号
Note: Models with * are non-standard models

MHM直联式齿轮减速机

MHM DIRECT-COUPLED GEAR REDUCER



入力軸尺寸 INPUT BORE				出力軸尺寸 OUTPUT SHAFT			
出力 KW	入力軸 BORE	鍵槽 KEYWAY	鍵 KEY	出力軸 SHAFT	鍵槽 KEYWAY	鍵 KEY	備 註 SPEC
	S1	T1		Sha	P	W	T Q
1/4HP	Φ11	4	12.5	Φ18	30	5	20.2 25 5"5"25
1/2HP	Φ14	5	16.3	Φ22	40	7	25 35 7"7"35
1HP	Φ19	6	21.8	Φ28	45	7	31.1 40 7"7"40
2HP	Φ24	8	27.3	Φ32	55	10	35.5 60 10"8"60
3HP	Φ28	8	31.3	Φ40	65	10	43.5 60 10"8"60
5HP	Φ28	8	31.3	Φ50	80	14	54 75 14"9"75

馬力 KW	減速比 RATIO	型號 TYPE	A	B	C	D	E	F	G	H	I	J	K	L	N	X	Y	Z	重量 Kg
200W 1/4HP	3-10	18	153	110	130	40	110	135	65	9	52.5	16	45	10	158	132	88.5	M8	4
	15-90	22	188	110	130	65	130	159	90	11	52.5	18.2	56	15	158	152	97.5	M8	6
	100-200	28	216	110	130	90	140	180	122	11	52.5	20.8	65	15	158	180	116	M8	8
400W 1/2HP	3-10	22	188	110	130	65	130	160	90	11	52.5	18.2	56	15	158	152	97.5	M8	6
	15-90	28	216	110	130	90	140	180	122	11	52.5	20.8	65	15	158	180	116	M8	8
	100-200	32	250	110	130	130	170	215	160	13	52.5	30.2	76	25	158	210	138.5	M8	21
750W 1HP	3-25	28	230	130	165	90	140	180	122	11	78	20.8	66	15	198	180	116	M10	11
	30-120	32	275	130	165	130	170	215	160	13	78	30.2	76	25	198	210	138.5	M10	26
	125-200	40	300	130	165	150	210	260	185	15	78	42.2	85	25	198	248	160	M10	38
1500W 2HP	3-25	32	275	130	165	130	170	215	160	13	78	30.2	76	25	198	210	138.5	M10	26
	30-120	40	300	130	165	150	210	260	185	15	78	42.2	85	25	198	248	160	M10	39
	125-200	40	300	130	165	150	210	260	185	15	78	42.2	85	25	198	248	160	M10	39
2200W 3HP	3-60	40	320	180	215	150	210	260	185	15	95	42.2	85	25	250	248	160	M12	40
	70-120	50	360	180	215	170	265	330	220	18	95	51.7	104	30	250	315	200	M12	45
	125-200	50	360	180	215	170	265	330	220	18	95	51.7	104	30	250	315	200	M12	45
3700W 5HP	3-25	40	320	180	215	150	210	260	185	15	95	42.2	85	25	250	248	160	M12	50
	30-80	50	360	180	215	170	265	330	220	18	95	51.7	104	30	250	315	200	M12	55
	125-200	50	360	180	215	170	265	330	220	18	95	51.7	104	30	250	315	200	M12	55

齿轮减速电机性能表(100W-5500W)

GEAR MOTOR PERFORMANCE TABLE (100W-5500W)

► 扭力表/Torque meter

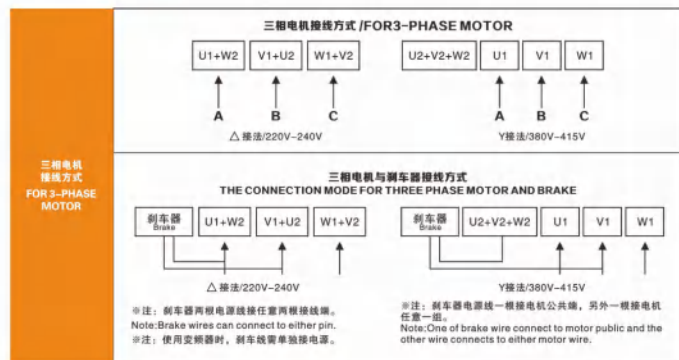
单位 kg-m

減速比 GEAR RATIO	出力回転数 OUTPUT R.P.M.		輸出扭矩 / OUTPUT TORQUE																	
			100W<1/8HP>		200W<1/4HP>		400W<1/2HP>		750W<1HP>		1500W<2HP>		2200W<3HP>		3700W<5HP>		5500W<7.5HP>			
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
3	500	600	0.19	0.16	0.37	0.31	0.7	0.6	1.3	1.1	2.6	2.2	3.8	3.2	6.0	5.5	9.8	9		
5	300	360	0.31	0.26	0.62	0.52	1.2	1.0	2.2	1.9	4.5	3.8	6.72	5.6	11.0	10.0	16.5	13.3		
10	150	180	0.62	0.52	1.24	1.04	2.4	2.0	4.5	3.8	9.1	7.6	13.7	11.2	22.0	20.0	33	27		
15	100	120	0.91	0.76	1.8	1.5	3.6	3.0	6.8	5.7	13.5	11.3	21.0	16.8	32.6	29.8	50.5	40		
20	75	90	1.2	1.0	2.4	2.0	4.8	4.0	9.0	7.5	18.1	15.1	26.8	22.4	43.6	38.0	65.8	53.5		
25	60	72	1.4	1.2	3.0	2.5	6.0	5.0	11.2	9.4	22.6	18.9	33.6	28.0	53.9	49.5	82.3	66.8		
30	50	60	1.8	1.5	3.6	3.0	7.2	6.0	13.5	11.6	27.1	22.6	40.3	33.6	64.7	58.8	98.7	80		
40	37	45	2.2	1.9	4.6	3.9	9.3	7.8	17.5	14.6	34.9	29.1	52.0	43.4	86.3	78.4	131	106.8		
50	30	36	2.8	2.4	5.7	5	11.6	9.7	21.9	18.3	43.6	36.4	65.1	54.3	106.7	97.0	165	133		
60	25	30	3.4	2.9	6.9	5.8	13.9	11.6	26.2	21.9	52.4	43.7	78.1	65.1	126.8	115.2	197.5	160.2		
70	21.4	25.7	4.3	3.6	8.0	3.7	16.2	13.5	31.5	26.3	62.4	52.0	92.5	77.1	156	126	230	181		
80	18.8	22.5	4.8	4.0	9.2	7.7	18.4	15.4	35.5	29.6	70.8	59.0	105	87.5	178	145	263	214		
90	16.7	20	5.2	4.4	10.3	8.6	20.7	17.3	39.3	32.8	77.1	64.3	113.1	94.3	200	160	296	240		
100	15	18	5.8	4.9	11.5	9.6	23.0	19.2	43.2	36.0	83.7	69.8	126	105	221	180	329	267		
120	12.9	15	6.9	5.8	13.8	11.5	27.7	23.1	51.8	43.2	100.4	83.7	150	145	266	215				
140	10.7	12.9	8.0	6.7	16.0	13.4	32.0	26.7	59.7	49.8	116.1	96.8								
160	9.4	11.3	9.1	7.6	18.3	15.3	36.0	30.3	68.0	56.7	131.8	109.9								
180	8.4	10	10.3	8.6	20.7	17.3	40.8	34.0	76.8	64.0	147.6	123								
200	7.5	9	11.6	9.7	22.9	19.1	43.2	36.0	82.8	69.0										
300	5	6	17.5	14.9	35.1	28.3	70.2	58.7	132.6	107.1										
1200	1.25	1.5	58.5	47.6	70.2	56.7	70.2	56.7	132.6	107.1										
1800	0.83	1	58.5	47.6	70.2	56.7	70.2	56.7	132.6	107.1										

► 三相电压全负载电流值/3-PHASE/4-POLES FULL LOAD AMPERE

輸出馬力 CAPACITY	50HZ-4P					60HZ-4P				
	220V	380V	415V	440V	RPM	220V	380V	440V	460V	RPM
100W	0.87	0.5	0.32	0.30	1410	0.6	0.4	0.30	0.29	1720
200W	1.39	0.8	0.7	0.58	1410	1.1	0.63	0.55	0.52	1720
400W	2.4	1.4	1.13	1.07	1420	1.9	1.10	0.95	0.91	1730
750W	3.8	2.2	1.94	1.84	1420	3.4	1.96	1.70	1.63	1730
1500W	6.9	4.0	3.94	3.30	1430	6.1	3.53	3.05	2.92	1740
2200W	9.5	5.5	4.74	4.47	1430	8.7	5.04	4.35	4.16	1725
3700W	15.9	9.2	7.34	7.34	1440	13.5	7.82	6.75	6.46	1745
5500W	23.5	13.5	-	-	1440	20.8	12.0	-	-	1745
7500W	26.0	15.0	-	-	1400	23.9	13.8	-	-	1745

接线方式 WIRING DIAGRAM



立式三相标准IEC铝壳(刹车)马达 VERTICAL THREE-PHASE STANDARD IEC ALUMINUM (BRAKE) MOTOR



输出马力 CAPACITY	A	A1	D	E	F	H	K	M	P	S	T	W	Y	重量 kg
100W 1/8HP	200	200	110	130	160	10	23	127	10	11	12.5	4	3	3.8
200W 1/4HP	220	220	110	130	160	10	23	127	10	11	12.5	4	3	5.5
400W 1/2HP	250	250	110	130	160	10	30	159	14	14	16	5	3	6.9
750W 1HP	295	295	130	165	200	12	40	159	25	19	21.5	6	3	10.6
1500W 2HP	350	370	130	165	200	12	50	190	32	24	27	8	3.5	16.5
2200W 3HP	384	410	180	215	250	14.5	60	220	40	28	31	8	4	28
3700W 5HP	400	426	180	215	250	14.5	60	220	40	28	31	8	4	34.5
5500W 7.5HP	447	487	230	265	300	15	80	250	60	38	41.5	10	4	45
7500W 10HP	487	527	230	265	300	15	80	250	60	38	41.5	10	4	55

备注: A1为三相带刹车马达尺寸
Remarks: A1s the size of the three-phase motor with brake

故障排除 TROUBLE SHOUTING

▶ 刹车故障排除 / Trouble Remove Of Brake

不良故障 Trouble	原因分析 Possible Analysis	解决方法 Solution Method
刹车器不动作 No action of brake	未供电电源No power supply	供应电源Supply power
	刹车片磨损Brake disc worn out	换新刹车片Use new brake disc
	间隙过大Large backlash	调整间隙Adjust backlash
	电源压力不足Low voltage	提供正确电压Use correct voltage
	电源供应器损坏Power supply damage	电源供应器换新Use new power
	异物入侵Dirty inside	清洁零件Clean parts
	使用电压错误Wrong voltage	使用正确电压Correct voltage
	推线脱落Connect wire lost	重新接线Re-connect wire
	刹车片卡死Brake disc locked	清洁零件Clean parts
	刹车线圈损坏Brake coil burned-out	刹车线圈换新Use new brake disc
刹车器移动 Brake moving	刹车片磨损Brake disc worn out	换新刹车片Supply power
	间隙过大Large backlash	调整间隙Adjust backlash
	刹车片沾油渍Surface oil	清洁刹车片Clean brake disc
	负载过大Over loading	重新设计Re-design brake unit
	刹车表面变形Disc surface twist	更换零件Use new parts
	下降冲击力过大Huge momentum	机构重新设计System re-design
	选用机型错误Select wrong type	选用正确机型Re-select unit
	环境温度过高No power supply	检查环境温度Ad just temperature

▶ 减速机故障排除 / Trouble Shouting Gearmotor

	不良故障 Trouble	原因分析 Pailanalysis	解决方法 Solution Method
噪音 Noise	齿轮敲击声Knocking	齿轮表面受伤Hurt gear surface	更换受伤齿轮组Replace gear set
	珠滚性噪音Crntially	轴承损坏Bad bearing	更换损坏轴承Replace bearing
	周期性噪音Periodical	异物啃齿面Gear Pricle inside	检测齿轮齿面Check gear
	嘶嘶声Hnight	油量不足Lack of lubricant	添加润滑油Fill with lub-oil
振动 Vibration	持续性噪音remititely	润滑油不沾Dity ubricant	更换新润滑油Replace lubricant
	固定底座振动Mounting base vibration	安装平面歪斜Bad surface mounting	重新调整固定底座Re adjust mounting base
	出力轴振动Output shaft vibration	轴承损坏Bad bearing	更换损坏轴承Replace bearing
	内部齿轮零件振动Inside gear parts vibration	齿轮受损伤Gear wounded	更换受损齿轮Replace wounded gear
漏油 Leakage	箱体振动Housing vibration	齿轮组安装不良Bad gear assembly	重新调整齿轮组Re adjust gear set
	油封漏油Oil seal leakage	油封硬化Oil seal too harden	更换损坏油封Replace wounded oil seal
	箱体漏油Housing leakage	箱体有砂孔Box had sand hole	更换砂孔箱体Replace sand hole box
	结合面漏油Connect surface eakage	0-型环损坏0-ring broken	更换损坏0-型环Replace wounded
过热 Over heating	油封Bad oil seal	0-ing油封太紧Oil seal too tight	更换大家油封Replace tighten oil seal
	箱体过热Housing too heat	过负载Over load runing	重新计算负载马力Re-calculate loading
	缺润滑油Less lubricant	油量不足Lack of lubricant	加入润滑油Fill with lubricant
	马达过热Motor tooheat	马达过载Overload motor	更换新马达Replace new motor

普通铝壳电机

3-PHASE MOTOR



高刚性
HIGH RIGIDITY



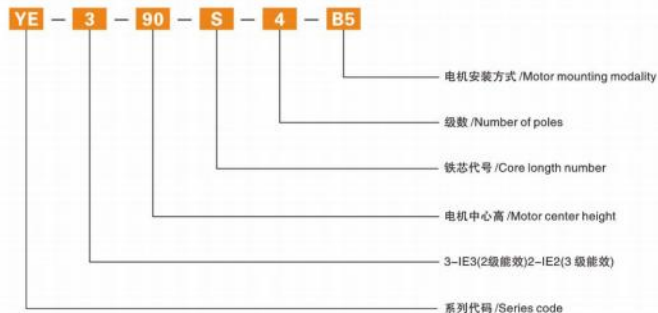
高耐用
HIGH DURABILITY



高效率
HIGH EFFICIENCY



▶ 电机代号说明/Machine code description



▶ 防护等级/Protection grade



▶ 冷却方式/Cooling mode



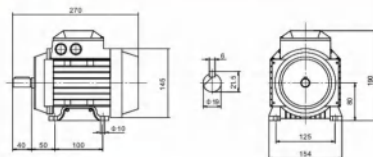
► YE2 系列技术参数/YE2 Series Technical Parameters

1500R/min 380V 50Hz										
型号 TYPE	额定功率 RATED OUTPUT		额定 转速 RATED SPEED	效率 EFFI CENCY	功率 因数 POWER FACTOR	额定 电流 RATED CURRENT	额定 转矩 RATED TORQUE	堵转转矩 LOCKED ROTOR TORQUE	最大转矩 MAXIMUM TORQUE	堵转电流 LOCKED ROTOR CURRENT
	KW	HP	rpm	η % (IE2)	$\cos\phi$	A	Nm	T_s/T_n	T_{max}/T_n	I_s/I_n
YE2-90L-4	0.75	1	1400	79.6	0.76	1.88	5.12	2.30	2.3	6.6
YE2-90S-4	1.1	1.5	1440	81.4	0.77	2.67	7.30	2.30	2.3	6.8
YE2-90L-4	1.5	2	1440	82.8	0.77	3.57	9.95	2.30	2.3	7.0
YE2-100L1-4	2.2	3	1440	84.3	0.81	4.90	14.60	2.30	2.3	7.6
YE2-100L2-4	3	4	1440	85.5	0.82	6.50	19.90	2.30	2.3	7.6
YE2-112M-4	4	5.5	1440	86.6	0.82	8.56	26.50	2.20	2.3	7.8
YE2-132S-4	5.5	7.5	1450	87.7	0.83	11.5	36.20	2.00	2.3	7.9
YE2-132M-4	7.5	10	1450	88.7	0.84	15.3	49.40	2.00	2.3	7.5
YE2-160M-4	11	15	1460	89.8	0.84	22.2	72.00	2.20	2.3	7.7
YE2-160L-4	15	20	1460	90.6	0.85	29.6	96.10	2.20	2.3	7.8
YE2-180M-4	18.5	25	1470	91.2	0.86	35.8	120.20	2.00	2.3	7.8
YE2-180L-4	22	30	1470	91.6	0.86	42.4	142.90	2.00	2.3	7.8

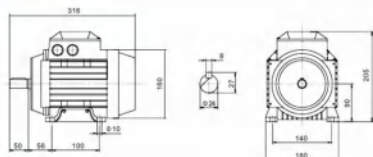
1000R/min 380V 50Hz										
型号 TYPE	额定功率 RATED OUTPUT		额定 转速 RATED SPEED	效率 EFFI CENCY	功率 因数 POWER FACTOR	额定 电流 RATED CURRENT	额定 转矩 RATED TORQUE	堵转转矩 LOCKED ROTOR TORQUE	最大转矩 MAXIMUM TORQUE	堵转电流 LOCKED ROTOR CURRENT
	KW	HP	rpm	η % (IE2)	$\cos\phi$	A	Nm	T_s/T_n	T_{max}/T_n	I_s/I_n
YE2-90S-6	0.75	1	930	75.9	0.72	2.09	7.7	2.0	2.1	6.0
YE2-90L-6	1.1	1.5	940	78.1	0.72	2.97	11.2	2.0	2.1	6.0
YE2-100L-6	1.5	2	940	79.8	0.75	3.80	15.2	2.0	2.1	6.5
YE2-112M-6	2.2	3	960	81.8	0.76	5.38	21.9	2.0	2.1	6.6
YE2-132S-6	3	4	960	83.3	0.76	7.20	29.8	2.0	2.1	6.8
YE2-132M1-6	4	5.5	960	84.6	0.76	9.45	39.8	2.0	2.1	6.8
YE2-132M2-6	5.5	7.5	960	86.0	0.77	12.6	54.7	2.0	2.1	7.0
YE2-160M-6	7.5	10	970	87.2	0.78	16.8	73.8	2.0	2.1	7.0
YE2-160L-6	11	15	970	88.7	0.78	24.2	108.3	2.0	2.1	7.2
YE2-180L-6	15	20	970	89.7	0.81	31.4	147.7	2.0	2.1	7.3

► 外形尺寸(单位mm)/Shape Size(mm)

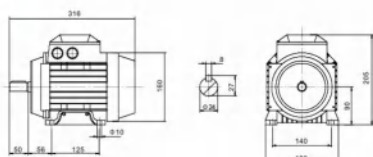
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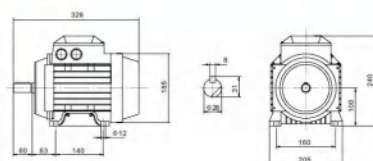
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型号 / Model number B3 YE2.YE3 90L

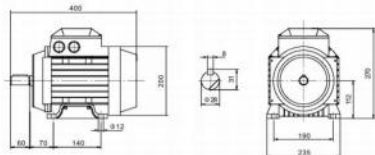


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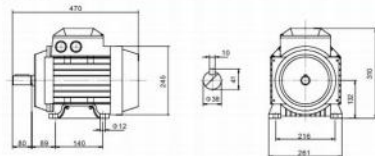


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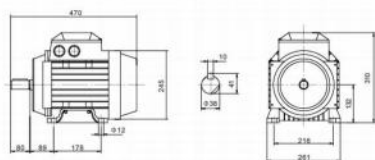
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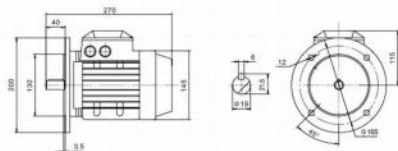
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型号 / Model number B3 YE2.YE3 132M

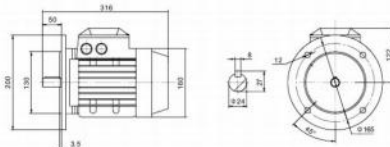


型号 / Model number B5 YE2.YE3 80M

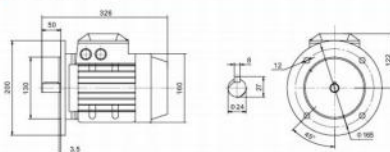


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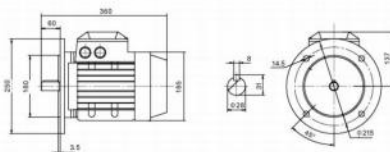
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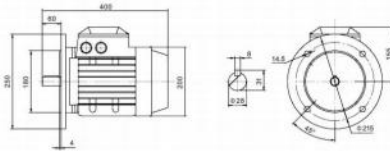
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型号 / Model number B5 YE2.YE3 100L

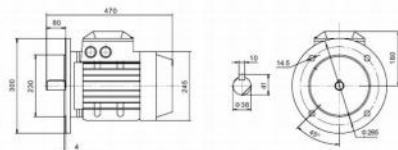


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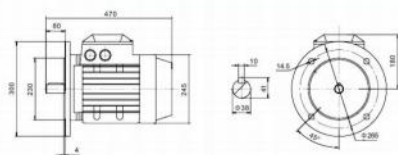


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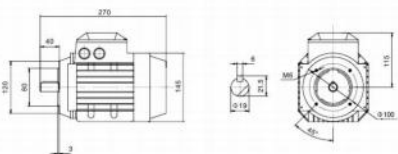
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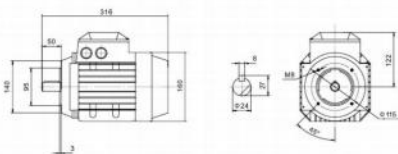
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型号 / Model number B14 YE2.YE3 80M

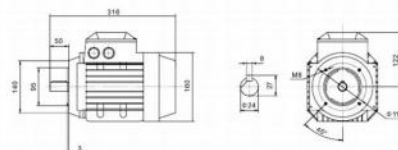


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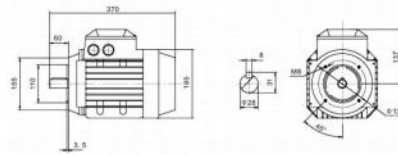


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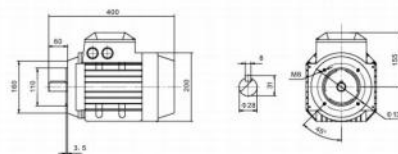
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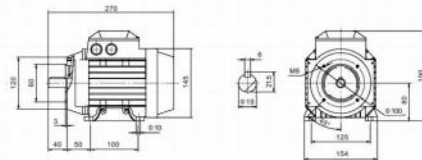
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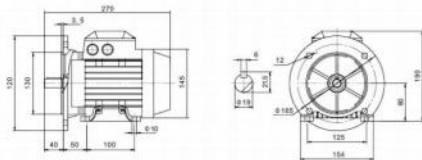


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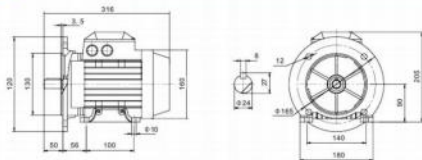


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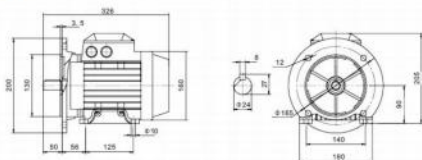
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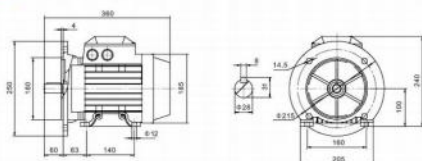
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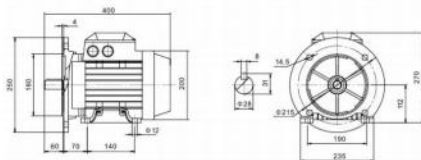


型号/Model number B35 YE2.YE3 100L

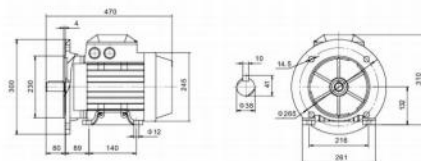


▶ 外形尺寸(单位mm)/Shape Size(mm)

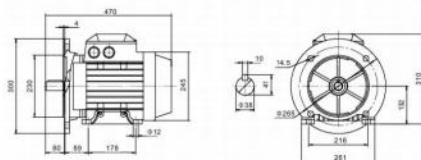
型号/Model number B35 YE2.YE3 112M



型号/Model number B35 YE2.YE3 132S



型号/Model number B35 YE2.YE3 132M



精密行星减速机 & 中空旋转平台

PRECISION PLANETARY REDUCER & ROTATING PLATFORM



高刚性
HIGH RIGIDITY



高耐用
HIGH DURABILITY



高效率
HIGH EFFICIENCY



直齿系列型号标记/Straight tooth series model mark

PRF 系列/PRF Series					
PRF 产品系列 Product series	90 产品规格 Product specification	L1 级数 series	7 传动比 Gear ratio	P1 背隙 Back clearance	输出型式 Output type
	40、60、80、 90、120、160	L1=1级 L2=2级 L1= Level 1 L2= Level 2	L1: 3、4、5 7、10 L2: 12、15、16 20、25、28 30、35、40 50、70、100	P1=精密背隙 P2=标准背隙 P1= precise back clearance P2= standard back clearance	S1=光轴输出 无=带键输出 S1= optical axis output None = Output with key

电机制造商及规格型号。
也可以直接提供输出连接尺寸
Motor manufacturers and specifications
Output connection dimensions can also be supplied directly

PRL 系列/PRL Series					
PRL 产品系列 Product series	90 产品规格 Product specification	L1 级数 series	10 传动比 Gear ratio	P1 背隙 Back clearance	输出型式 Output type
	40、60、80、 90、120、160	L1=1级 L2=2级 L1= Level 1 L2= Level 2	L1: 3、4、5 7、10 L2: 12、15、16 20、25、28 30、35、40 50、70、100	P1=精密背隙 P2=标准背隙 P1= precise back clearance P2= standard back clearance	S1=光轴输出 无=带键输出 S1= optical axis output None = Output with key

电机制造商及规格型号。
也可以直接提供输出连接尺寸
Motor manufacturers and specifications
Output connection dimensions can also be supplied directly

PVFN 系列/PVFN Series					
PVFN 产品系列 Product series	90 产品规格 Product specification	L1 级数 series	10 传动比 Gear ratio	P1 背隙 Back clearance	输出型式 Output type
	60、90、120	L1=1级 L2=2级 L1= Level 1 L2= Level 2	L1: 3、4、5 7、10 L2: 12、15、16 20、25、28 30、35、40 50、70、100	P1=精密背隙 P2=标准背隙 P1= precise back clearance P2= standard back clearance	S1=光轴输出 无=带键输出 S1= optical axis output None = Output with key

电机制造商及规格型号。
也可以直接提供输出连接尺寸
Motor manufacturers and specifications
Output connection dimensions can also be supplied directly

斜齿系列型号标记/Helical series model mark

PX 系列/PX series					
PX 产品系列 Product series	90 产品规格 Product specification	L1 级数 series	5 传动比 Gear ratio	P1 背隙 Back clearance	输出型式 Output type
	42、60、 90、120	L1=1级 L2=2级 L1= Level 1 L2= Level 2	L1: 3、4、5 7、8、10 L2: 12、15、20 25、28、30 35、40、50 70、100	P1=精密背隙 P2=标准背隙 P1= precise back clearance P2= standard back clearance	S1=光轴输出 无=带键输出 S1= optical axis output None = Output with key

电机制造商及规格型号。
也可以直接提供输出连接尺寸
Motor manufacturers and specifications
Output connection dimensions can also be supplied directly

PG 系列/PG series					
PG 产品系列 Product series	90 产品规格 Product specification	L1 级数 series	5 传动比 Gear ratio	P1 背隙 Back clearance	输出型式 Output type
	64、90、110	L1=1级 L2=2级 L1= Level 1 L2= Level 2	L1: 4、5、7、10 14、20 L2: 16、20、25 28、35、40 50、70、100	P1=精密背隙 P2=标准背隙 P1= precise back clearance P2= standard back clearance	无=盘式输出 None = Disk output

电机制造商及规格型号。
也可以直接提供输出连接尺寸
Motor manufacturers and specifications
Output connection dimensions can also be supplied directly

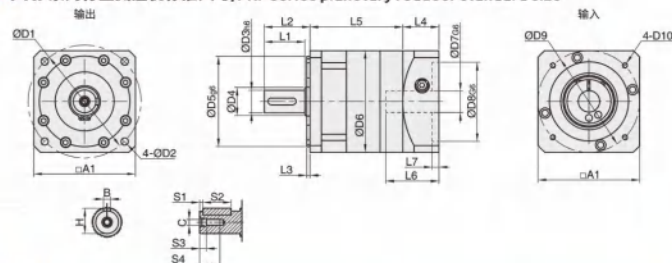
PXR 系列/PXR series					
PXR 产品系列 Product series	90 产品规格 Product specification	L1 级数 series	10 传动比 Gear ratio	P1 背隙 Back clearance	输出型式 Output type
	42、60、 90、120	L1=1级 L2=2级 L1= Level 1 L2= Level 2	L1: 3、4、5 14、20 L2: 25、30、35 40、50、70 100	P1=精密背隙 P2=标准背隙 P1= precise back clearance P2= standard back clearance	S1=光轴输出 无=带键输出 S1= optical axis output None = Output with key

电机制造商及规格型号。
也可以直接提供输出连接尺寸
Motor manufacturers and specifications
Output connection dimensions can also be supplied directly

►PRF系列行星减速机技术参数/PRF series planetary reducer technical parameters

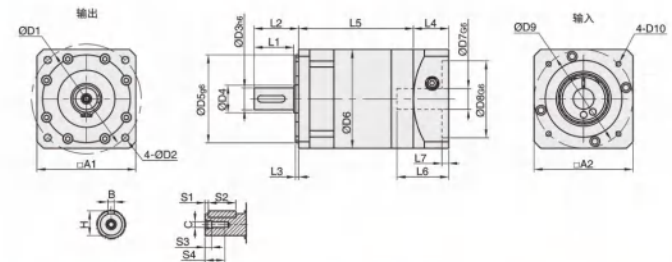
技术参数 Technical parameter		规格 specification		PRF40	PRF60	PRF80	PRF90	PRF120	PRF160
		级数 Series	速比 Speed ratio						
额定扭矩 (Nm) T_n	L1	3	/	27	50	96	161	364	
		4	16	40	90	122	210	423	
		5	15	40	90	122	210	423	
		7	12	34	48	95	170	358	
		10	10	16	22	56	86	210	
	L2	12	/	27	50	96	161	364	
		15	/	27	50	96	161	364	
		16	16	40	90	122	210	423	
		20	15	40	90	122	210	423	
		25	16	40	90	122	210	423	
		28	16	40	90	122	210	423	
		30	/	27	50	96	161	364	
		35	12	40	90	122	210	423	
		40	16	40	90	122	210	423	
		50	15	40	90	122	210	423	
		70	12	34	48	95	170	358	
100	10	16	22	56	86	210			
最大扭矩	Maximum torque		Nm	1.5倍额定扭矩 1.5 times rated torque					
紧急制动扭矩	Emergency braking torque		Nm	2倍额定扭矩 2 times rated torque					
最大允许径向力	Maximum allowable radial force		N	185	240	400	450	1240	2250
最大允许轴向力	Maximum allowable axial force		N	150	220	420	430	1000	1500
抗扭刚度	Torsional rigidity		Nm/arcmin	0.7	1.8	4.7	4.85	11	35
最大输入转速	Maximum input speed		rpm	8000	8000	6000	6000	6000	4000
额定输入转速	Rated input speed		rpm	4500	4000	3500	3500	3500	3000
噪音	noise		dB	≤55	≤58	≤60	≤60	≤65	≤70
平均寿命	Mean life		h	20000					
满载效率	Full-load efficiency		%	L1 ≥ 96% L2 ≥ 94%					
防护等级	Class of protection		IP65						
工作温度	Operating temperature		90℃至-10℃						
重量 (kg)	L1		0.43	0.98	2.3	3.12	7.08	15.5	
	L2		0.65	1.26	2.97	3.82	8.7	17	

►PRF系列行星减速机标准尺寸/PRF series planetary reducer standard size



机座 Housing		PRF-L1																											
代号 Model	机座 Housing	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A1	A2	S1	S2	S3	S4	B	H	C		
PRF40-L1		50	3.5	10	15	35	42	8	30	46	M4	23	26	2	20	42	27	3.5	42	42	2	16	3	9	3	11.2	M3		
PRF60-L1		70	5.5	14	17	50	60	14	50	M4	30	35	3	21	56	31	4	60	60	3	20	5	18	5	16	M5			
PRF80-L1		90	6.5	20	25	60	80	19	70	M5	36	40.5	3	36	60.5	42	5	80	80	4	25	6	18	6	22.5	M6			
PRF90-L1		100	6.5	20	25	80	90	19	70	M5	36	40.5	3	32	77.5	47	6	90	90	5	25	6	18	6	22.5	M6			
PRF120-L1		130	8.5	25	35	110	120	22	110	145	M8	50	55.5	4	50	96.5	57.5	10	120	120	5	40	8	25	8	28	M10		
PRF160-L1		185	11	40	55	130	165	35	1143	200	M12	80	87	5	62	132	86	10	165	176	5	65	8	36	12	43	M16		
客户定制 Customization																													

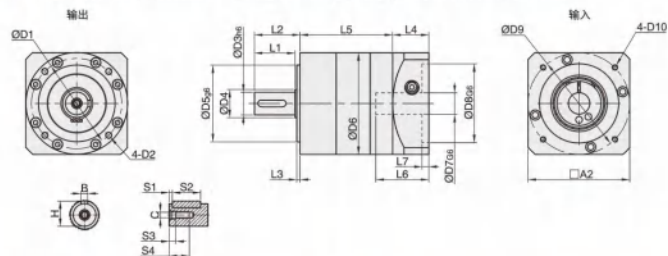
客户定制 Customer customization



机座 Housing	代号 Model	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A1	A2	S1	S2	S3	S4	B	H	C
	PRF40-L2	50	3.5	10	15	35	42	8	30	46	M4	23	26	2	20	57	27	3.5	42	42	2	16	3	9	3	11.2	M3
	PRF60-L2	70	5.5	14	17	50	60	14	50	M4	30	35	3	21	73.5	31	4	60	60	3	20	5	18	5	16	M5	
	PRF80-L2	90	6.5	20	25	60	80	19	70	M5	36	40.5	3	36	80.5	42	5	80	80	4	25	6	18	6	22.5	M6	
	PRF90-L2	100	6.5	20	25	80	90	19	70	M5	36	40.5	3	32	97.5	47	6	90	90	5	25	6	18	6	22.5	M6	
	PRF120-L2	130	8.5	25	35	110	120	22	110	145	M8	50	55.5	4	50	129	57.5	10	120	120	5	40	8	25	8	28	M10
	PRF160-L2	185	11	40	55	130	165	35	1143	200	M12	80	87	5	62	173	86	10	165	176	5	65	8	36	12	43	M16
客户定制 Customer customization																											

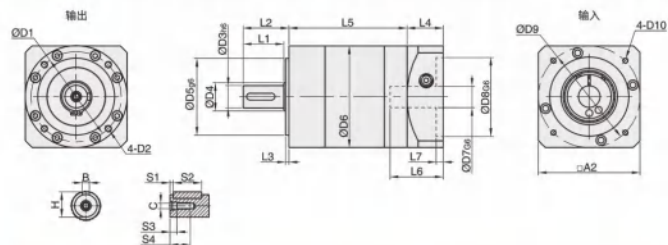
客户定制 Customer customization

►PRL系列行星减速机标准尺寸/PRL series planetary reducer standard size



代号 Model type	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A2	S1	S2	S3	S4	B	H	C
PRL40-L1	34	M4	10	15	26	42	8	30	46	M4	23	26	2	20	42	27	3.5	42	2	16	3	9	3	11.2	M3
PRL60-L1	52	M5	14	17	40	60	14	50	70	M4	30	35	3	21	56	31	4	60	3	20	5	18	5	16	M5
PRL80-L1	70	M6	20	25	60	80	19	70	90	M5	36	40.5	3	38	60.5	42	5	80	4	25	6	18	6	22.5	M6
PRL90-L1	80	M6	20	25	68	90	19	70	90	M5	36	40.5	3	32	77.5	47	6	90	3	25	6	18	6	22.5	M6
PRL120-L1	100	M10	25	35	80	120	22	110	145	M8	50	55.5	4	50	96.5	57.5	10	120	5	40	8	25	8	28	M10
PRL160-L1	145	M12	40	55	130	165	35	1143	200	M12	80	87	5	62	132	86	10	176	5	65	8	36	12	43	M16

客户定制 Customer customization



代号 Model type	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A2	S1	S2	S3	S4	B	H	C
PRL40-L2	34	M4	10	15	26	42	8	30	46	M4	23	26	2	20	57	27	3.5	42	2	16	3	9	3	11.2	M3
PRL60-L2	52	M5	14	17	40	60	14	50	70	M4	30	35	3	21	73.5	31	4	60	3	20	5	18	5	16	M5
PRL80-L2	70	M6	20	25	60	80	19	70	90	M5	36	40.5	3	38	80.5	42	5	80	4	25	6	18	6	22.5	M6
PRL90-L2	80	M6	20	25	68	90	19	70	90	M5	36	40.5	3	32	97.5	47	6	90	3	25	6	18	6	22.5	M6
PRL120-L2	100	M10	25	35	80	120	22	110	145	M8	50	55.5	4	50	129	57.5	10	120	5	40	8	25	8	28	M10
PRL160-L2	145	M12	40	55	130	165	35	1143	200	M12	80	87	5	62	173	86	10	176	5	65	8	36	12	43	M16

客户定制 Customer customization

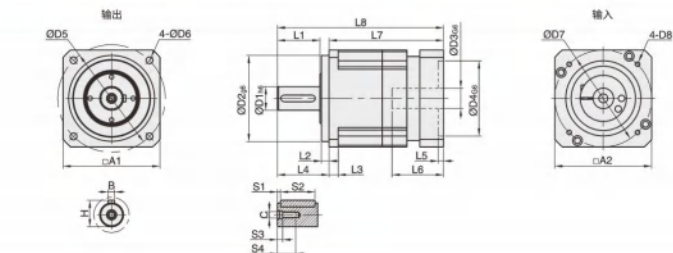
►PX系列行星减速机技术参数/PX series planetary reducer technical parameters

Specification 规格			PX42	PX60	PX90	PX120
技术参数 Technical parameter						
最大扭矩 Maximum torque	Nm		1.5倍额定扭矩		1.5 times rated torque	
紧急制动扭矩 Emergency braking torque	Nm		2.5倍额定扭矩		2.5 times rated torque	
最大容许径向力 Maximum allowable radial force	N		780	1530	3250	6700
最大容许轴向力 Maximum allowable axial force	N		390	630	1300	3000
抗扭刚性 Torsional rigidity	Nm/arcmin		2.5	6	12	23
最大输入转速 Maximum input speed	rpm		8000	8000	8000	8000
额定输入转速 Rated input speed	rpm		4000	4000	3000	3000
噪音 Noise	dB		≤56	≤58	≤60	≤65
平均寿命 Mean life	h		20000			
满载效率 Full-load efficiency	%		L1≥95% L2≥90%			
回程间隙 Return clearance	P1	L1	arcmin	≤3	≤3	≤3
		L2	arcmin	≤5	≤5	≤5
	P2	L1	arcmin	≤5	≤5	≤5
		L2	arcmin	≤7	≤7	≤7
转动惯量 Moment of inertia	L1	3	Kg.cm ²	/	0.16	0.61
		4	Kg.cm ²	0.03	0.14	0.48
		5	Kg.cm ²	0.03	0.13	0.47
		7	Kg.cm ²	0.03	0.13	0.45
		8	Kg.cm ²	0.03	0.13	0.45
		10	Kg.cm ²	0.03	0.13	0.40
		12	Kg.cm ²	/	0.13	0.45
		15	Kg.cm ²	/	0.13	0.45
	L2	20	Kg.cm ²	0.03	0.13	0.45
		25	Kg.cm ²	0.03	0.13	0.45
		28	Kg.cm ²	0.03	0.13	0.45
		30	Kg.cm ²	/	0.13	0.45
		35	Kg.cm ²	0.03	0.13	0.40
		40	Kg.cm ²	0.03	0.13	0.45
		50	Kg.cm ²	0.03	0.13	0.40
		70	Kg.cm ²	0.03	0.13	0.40
		100	Kg.cm ²	0.03	0.13	0.40

►PX系列行星减速机技术参数/PX series planetary reducer technical parameters

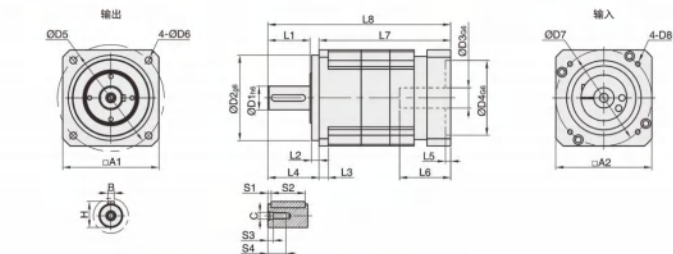
技术参数 Technical parameter			Specification 规格			
	级数 Series	速比 Speed ratio	PX42	PX60	PX90	PX120
额定扭矩 (Nm) T _n Rated torque (Nm) T _N	L1	3	/	40	105	165
		4	17	45	130	230
		5	15	45	130	230
		7	12	45	100	220
		8	/	40	90	200
		10	10	30	75	175
	L2	12	/	40	105	165
		15	/	40	105	165
		20	17	45	130	230
		25	15	45	130	230
		28	17	45	130	230
		30	/	40	105	165
		35	15	45	130	230
		40	17	45	130	230
		50	15	45	130	230
		70	12	45	100	220
		100	10	30	75	175
防护等级 Class of protection		IP65				
工作温度 Operating temperature		90℃至-10℃				
重量(kg)	L1	0.5	1.25	3.75	8.5	
	L2	0.8	1.75	5.1	12	

►PX系列行星减速机标准尺寸/PX series planetary reducer standard size



机座 Housing type	PX-L1																			
	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4	L5	L6	L7	L8	A1	A2	S1	S2
PX42-L1	13	35	8	30	50	3.5	46	M4	19.5	5.5	4	26	3.5	28	58.5	84.8	42.6	42.6	2	16
PX60-L1	16	50	14	50	70	5.5	70	M4	29	7	8	37	4	32	70.5	107.5	60	60	3	20
PX90-L1	22	80	19	70	100	6.5	90	M5	39.5	7	8.5	48	5	48	106.5	154.5	90	90	3	32
PX120-L1	32	110	22	110	130	8.5	145	M6	50	10	12	62	7	60	131.5	193.5	120	130	5	40

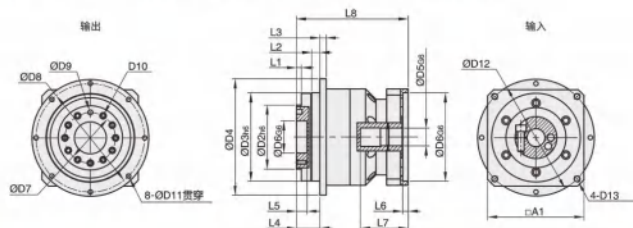
客户定制 Customer customization



机座 Housing type	PX-L2																			
	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4	L5	L6	L7	L8	A1	A2	S1	S2
PX42-L2	13	35	8	30	50	3.5	46	M4	19.5	5.5	4	26	3.5	28	80	106	42.6	42.6	2	16
PX60-L2	16	50	14	50	70	5.5	70	M4	29	7	8	37	4	32	98	135	60	60	3	20
PX90-L2	22	80	19	70	100	6.5	90	M5	39.5	7	8.5	48	5	48	141	189	90	90	3	32
PX120-L2	32	110	22	110	130	8.5	145	M6	50	10	12	62	7	60	182.5	244.5	120	130	5	40

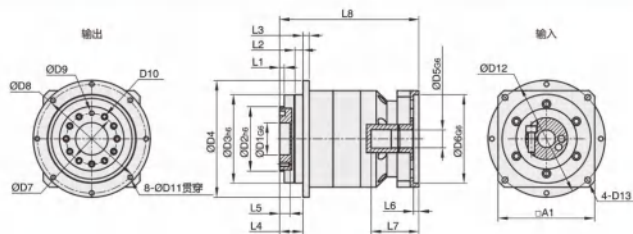
客户定制 Customer customization

►PG系列行星减速机标准尺寸/PG series planetary reducer standard size



机座 Mounting type	代号 Model	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	L1	L2	L3	L4	L5	L6	L7	L8	A1
PG64-L1	20	40	64	86	14	50	31.5	79	5	七孔一销 7-M5	4.5	70	M4	3	7	4	19.5	8	4	32.5	81	60	
PG90-L1	31.5	63	90	118	19	70	50	109	6	七孔一销 7-M6	5.5	90	M5	6	10	7	30	12	6	43	105.5	90	
PG110-L1	40	80	110	145	22	110	63	135	6	十一孔一销 11-M6	5.5	145	M8	6	14.5	8	29	13	7	59.5	139	120	

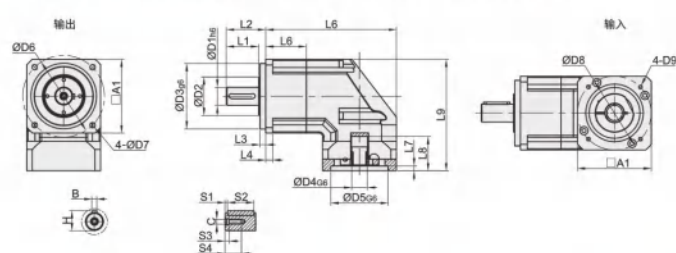
客户定制 Customer customization



机座 Mounting type	代号 Model	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	L1	L2	L3	L4	L5	L6	L7	L8	A1
PG64-L2	20	40	64	86	14	50	31.5	79	5	七孔一销 7-M5	4.5	70	M4	3	7	4	19.5	8	4	32.5	104.5	60	
PG90-L2	31.5	63	90	118	19	70	50	109	6	七孔一销 7-M6	5.5	90	M5	6	10	7	30	12	6	43	135	90	
PG110-L2	40	80	110	145	22	110	63	135	6	十一孔一销 11-M6	5.5	145	M8	6	14.5	8	29	13	7	59.5	173	120	

客户定制 Customer customization

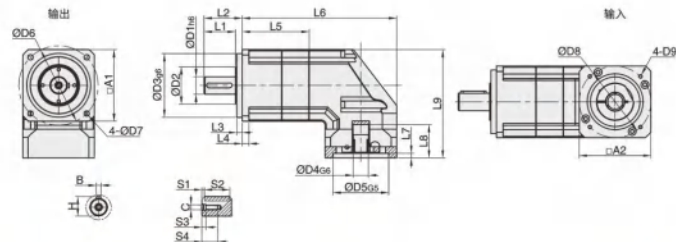
►PXR系列行星减速机标准尺寸/PXR series planetary reducer standard size



机座 Mounting type	代号 Model	PXR-L1																											
		D1	D2	D3	D4	D5	D6	D7	D8	D9	L1	L2	L3	L4	L5	L6	L7	L8	L9	A1	A2	S1	S2	S3	S4	B	H	C	
PXR42-L1	13	19.5	35	8	30	50	3.5	46	M4	19.5	26	5.5	4	23.8	78.8	3.5	26	71.1	42.6	42.6	2	16	4	12	5	15	M4		
PXR60-L1	16	28.9	50	14	50	70	5.5	70	M4	29	37	7	8	30.5	106.9	4	34	105	60	60	3	20	5	15	5	18	M5		
PXR90-L1	22	48.5	80	19	70	100	6.5	90	M5	39.5	48	7	8.5	49.5	159.5	6	42	136	90	90	3	32	5	20	6	24.5	M6		
PXR120-L1	32	58.6	110	22	110	130	8.5	145	M8	50	62	10	12	65	210	7	58	189.5	120	120	5	40	6	25	10	35	M12		

客户定制 Customer customization

客户定制 Customer customization



机座 Mounting type		PXR-L2																											
		D1	D2	D3	D4	D5	D6	D7	D8	D9	L1	L2	L3	L4	L5	L6	L7	L8	L9	A1	A2	S1	S2	S3	S4	B	H	C	
PXR42-L2	13	19.5	35	8	30	50	3.5	46	M4	19.5	26	5.5	4	45	100	3.5	26	71.1	42.6	42.6	2	16	4	12	5	15	M4		
PXR60-L2	16	28.9	50	14	50	70	5.5	70	M4	29	37	7	8	58	134.4	4	34	105	60	60	3	20	5	15	5	18	M5		
PXR90-L2	22	48.5	80	19	70	100	6.5	90	M5	39.5	48	7	8.5	84	194	6	42	136	90	90	3	32	5	20	6	24.5	M6		
PXR120-L2	32	58.6	110	22	110	130	8.5	145	M8	50	62	10	12	116	261	7	58	189.5	120	120	5	40	6	25	10	35	M12		
客户定制 Customer customization																													

客户定制 Customer customization

中空旋转平台/Hollow rotating platform

PTN系列/PTN Series



- 通用系列，输入除连接方式高度灵活，可搭载各种厂家的伺服电机、步进电机、行星减速机以及转角器；
- 旋转面可直接连接工作零件，提升安装方便性；
- 高精度，回程间隙0.5arcmin；
- 中空式的设计，配件配管都方便使用。
- Universal series, The input connection mode is highly flexible, and it can be equipped with servo motor, stepper motor, planetary reducers and turners from various manufacturers;
- The rotating surface can be directly connected to the working parts to improve the installation convenience;
- High precision, return clearance 0.5arcmin;
- Hollow design, wiring and piping are easy to use.

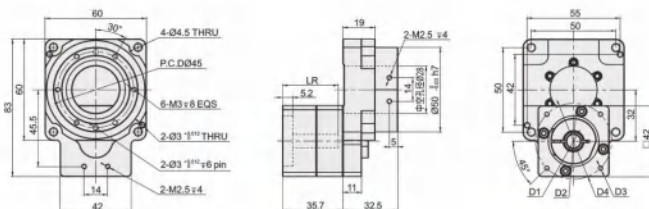
PTN060系列中空旋转平台适配马达/PTN060 series hollow rotary platform adaptor motor

适配马达 Adaptive motor	规格 Specification	步进马达/Stepper motor		42型 伺服马达/servomotor	
		交叉滚子轴承	Cross roller bearing	50W AC	100W AC
旋转平台轴承	Rotary platform bearing	—	—	—	—
减速比	Reduction ratio	—	1:5	—	1:10
容许转矩	Allowable torque	Nm	5	—	7.5
转动惯量	Moment of inertia	kg·m ²	—	4300X10 ⁻⁴	—
出力允许转速	Allowable output speed	rpm	—	200	—
容许惯性负载(径向力矩)	Allowable inertial load	Nm	—	10	—
容许轴向负载	Allowable axial load	N	—	250	—
回程间隙	Return clearance	arcmin	—	≤1	—
重复定位精度	Repeated positioning accuracy	arcsec	—	±15	—
旋转平台表面偏差	Deflection of rotating platform surface	mm	—	0.01	—
旋转平台平行度	Rotating platform parallelism	mm	—	0.02	—
旋转平台同心度	Rotating platform concentricity	mm	—	0.01	—
精度寿命	Precision life	h	—	20000	—
保护等级	Protection class	—	—	IP40	—
重量	Weight	Kg	—	0.6	—

PTN060系列中空旋转平台技术参数/Technical parameters of PTN060 series hollow rotating platform

应用实例技术参数 Application example technical parameters	规格 Specification	直结式行星减速机/Straight junction planetary reducer		直角式转角器/Right Angle corner	
		1	PX42	DRS42	
额定输出扭矩 T2N Rated output torque T2N	Nm	2	—	15	—
		3	55	15	—
		4	50	—	—
		5	60	—	—
		7	50	—	—
		10	40	—	—
急停扭矩	Scram torque	Nm	2.5倍于T _{2N}	2.5倍于T _{2N}	2.5倍于T _{2N}
额定输入转速	Rated input speed	rpm	5000	1500	—
最大输入转速	Maximum input speed	rpm	10000	10000	—
回程间隙	Return clearance	Nm	≤3	≤3	—
抗扭刚度	Torsional rigidity	Nm/arcmin	7	1.2	—
容许径向力	Allowable radial force	N	1530	300	—
容许轴向力	Allowable axial force	N	630	150	—
使用寿命	Service life	Hr	20000(连续运转降低使用寿命50%) 20000(Continuous operation reduces service life by 50%)	—	—
效率	Efficiency	%	96	—	—
工作温度	Operating temperature	℃	-15℃~+90℃	—	—
防护等级	Class of protection	—	IP 65	—	—
润滑	Oiling	—	合成润滑油	Synthetic lubricating oil	—
噪音	Noise	dB(A)	≤58	—	≤62

PTN060系列中空旋转平台标准尺寸/PTN060 series hollow rotary platform standard size



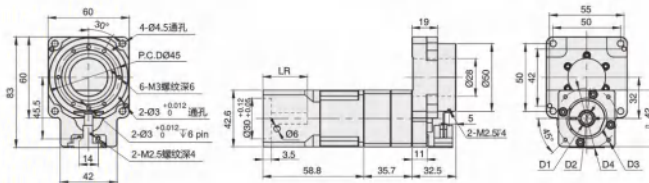
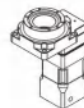
① 系列规格 Series specification	② 传动比 Gear ratio	③ 输入安装尺寸/Enter mounting dimensions				
		D1	D2	D3	D4	LR
PTN060	5 10	8	30	M3	45	30
		8	30	M4	46	30
		5	22	3.5	43.8	31.7

PTN060应用范例(订购时请提供马达法兰尺寸)

直结式行星减速机 PX42(单位mm)

PTN060 Application Example (Please provide motor flange size when ordering)

Linear planetary reducer PX42(unit mm)



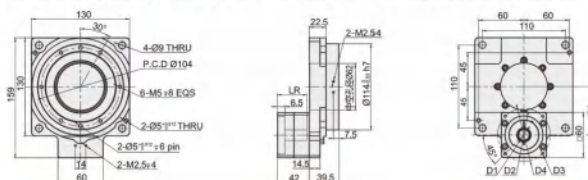
▶PTN130系列中空旋转平台适配器/PTN130 series hollow rotary platform adaptor motor

适配器 Adaptive motor	规格 Specification	步进马达/Stepper motor	57型/Type 57
旋转平台轴承	Rotary platform bearing	—	交叉滚子轴承 Cross roller bearing
减速比	Reduction ratio	—	1:10 1:18
容许转矩	Allowable torque	Nm	30 18
转动惯量	Moment of inertia	kg·m ²	15870X10 ⁻⁴
允许转速	Allowable speed	rpm	200
容许惯性负载(横侧力矩)	Allowable inertial load	Nm	45
容许轴向负载	Allowable axial load	N	2000
回程间隙	Return clearance	arcmin	≤1
重复定位精度	Repeated positioning accuracy	arcsec	±15
旋转平台平面偏差	Deflection of rotating platform surface	mm	0.01
旋转平台平行度	Rotating platform parallelism	mm	0.02
旋转平台同心度	Rotating platform concentricity	mm	0.01
精度寿命	Precision life	h	20000
保护等级	Protection class	—	IP40
重量	weight	Kg	2.5

▶PTN130系列中空旋转平台技术参数/Technical parameters of PTN130 series hollow rotating platform

应用实例技术参数 Application example technical parameters	规格 Specification	直立式行星减速机/Straight junction planetary reducer	直立式转角器/Right Angle corner
额定输出扭矩 T2N Rated output torque T2N	Nm	3 18 55 4 36 50 5 40 60 7 20 50 10 12 40	1 30 2 30 3 30 5 30 —
急停扭矩 Scram torque	Nm	2倍于T _{2N} 2times T _{2N}	2.5倍于T _{2N} 2.5 times T _{2N}
额定输入转速 Rated input speed	rpm	4000	5000 1000
最大输入转速 Maximum input speed	rpm	8000	10000 2000
回程间隙 Return clearance	Nm	≤10	≤3
转动惯量 Moment of inertia	kg·cm ²	—	0.06
抗扭刚度 Torsional rigidity	Nm/arcmin	1.8	7 1.5
容许径向力 Allowable radial force	N	240	1530 500
容许轴向力 Allowable axial force	N	220	765 200
使用寿命 Service life	Hr	20000(连续运转降低使用寿命50%) 20000(Continuous operation reduces service life by 50%)	
效率 Efficiency	%		96
工作温度 Operating temperature	℃		-15℃~+90℃
防护等级 Class of protection	—		IP 65
润滑 Oiling	—		合成润滑油 Synetic lubricating oil
噪音 Noise	dB(A)	≤61	≤58 ≤65

▶PTN130系列中空旋转平台标准尺寸/PTN130 series hollow rotary platform standard size

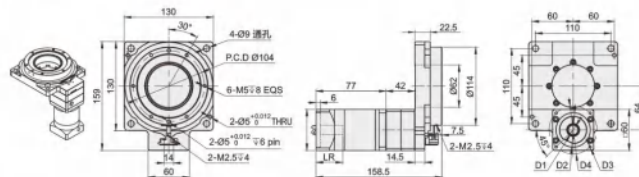


1 系列规格 Series specification	2 传动比 Gear ratio	3 输入安装尺寸/Enter mounting dimensions				
PTN130	10	D1	D2	D3	D4	LR
	18	14	50	M4	70	34.5
		14	50	M5	70	34.5
		8	38.1	M4	66.7	34.5
	10	14	73	M6	98.4	47

PTN130应用范例(订购时请提供马达法兰尺寸)

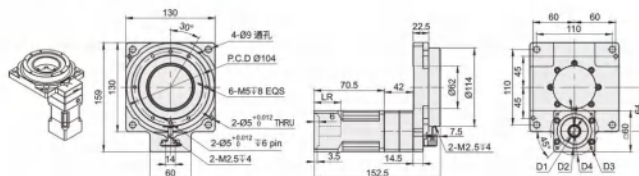
直立式行星减速机PRF60 (单位mm)

PTN130 Application Example (Please provide motor flange size when ordering)
Linear planetary reducer PRF60 (unit mm)



直立式行星减速机PX60(单位mm)

Linear planetary reducer PX60(unit mm)



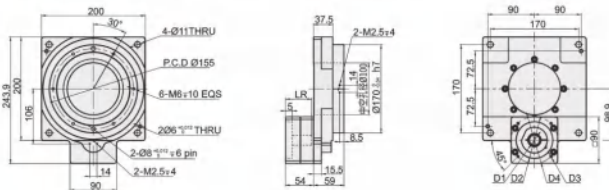
►PTN200系列中空旋转平台适配马达/PTN200 series hollow rotary platform adaptor motor

迈特马达 Adaptive motor	规格 Specification	步进马达/ Stepper motor 伺服马达/ servomotor	86型/Type 86 75W AC
旋转平台轴承	Rotary platform bearing	—	交叉滚子轴承 Cross roller bearing
减速比	Reduction ratio	—	1:10 1:18
容许转矩	Allowable torque	Nm 65	50
转动惯量	Moment of inertia	kg·m ²	108150X10 ⁻⁴
允许转速	Allowable speed	rpm	200
容许惯性负载(径向力矩)	Allowable inertial load	Nm	80
容许轴向负载	Allowable axial load	N	4000
回程间隙	Return clearance	arcmin	≤1
重复定位精度	Repeated positioning accuracy	arcsec	±15
旋转平台台面偏差	Deflection of rotating platform surface	mm	0.01
旋转平台平行度	Rotating platform parallelism	mm	0.03
旋转平台同心度	Rotating platform concentricity	mm	0.01
精度寿命	Precision life	h	20000
保护等级	Protection class	—	IP40
重量	weight	Kg	8.0

► PTN200系列中空旋转平台技术参数/Technical parameters of PTN200 series hollow rotating platform

应用实例技术参数 Application example technical parameters		规格 Specification	直连式行星减速机 / Straight junction planetary reducer			直角式转角器 / Right Angle corner	
			i	PRF80	PA90	i	DR590
额定输出扭矩 T2N Rated output torque T2N		Nm	3	40	130	1	60
			4	110	140	2	60
			5	90	160	3	60
			7	22	140	5	60
			10	22	100	-	-
急停扭矩	Scram torque	Nm	2.5倍于T _{2N} 2times T _{2N}			2.5倍于T _{2N} 2.5 times T _{2N}	
额定输入转速	Rated input speed	rpm	3500			4000	
最大输入转速	Maximum input speed	rpm	6000			8000	
回程间隙	Return clearance	Nm	≤10			≤3	
转动惯量	Moment of inertia	kg·cm ²	-			0.4	
抗扭刚性	Torsional rigidity	Nm/arcmin	4.7			14	
容许径向力 ¹	Allowable radial force ¹	N	400			3250	
容许轴向力 ¹	Allowable axial force ¹	N	420			1625	
使用寿命	Service life	Hr	20000(连续运转降低使用寿命50%) 20000(Continuous operation reduces service life by 50%)				
	Efficiency	%	96				
工作温度	Operating temperature	℃	-15℃~+90℃				
防护等级	Class of protection	-	IP 65				
润滑	Oiling	-	合成润滑油 Synetic lubricating oil				
噪音	Noise	dB(A)	≤63			≤65	

►PTN200系列中空旋转平台标准尺寸/PTN200 series hollow rotary platform standard size



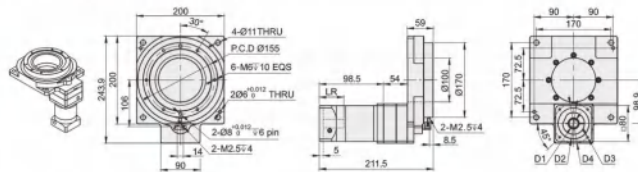
① 系列规格 Series specification	② 传动比 Gear ratio	③ 输入安装尺寸/Enter mounting dimensions				
		D1	D2	D3	D4	LR
PTN200	10 18	19	70	M5	90	47
		19	70	M6	90	47
		14	73	M6	98.4	47
		14	60	M6	98.4	47

PTN200应用范例(订购时请提供马达法兰尺寸)

直结式行星减速机PRF80 (单位mm)

PTN200 Application Example (Please provide motor flange size when ordering)

Linear planetary reducer PRF80 (unit mm)



直结式行星减速机 PA90(单位mm)

Linear planetary reducer PA90(unit mm)

